

THE OLDEST ESTABLISHED ARCHITECTURAL IRONFOUNDERS
AND MANUFACTURERS OF KITCHEN RANGES IN SCOTLAND.

SECTION V.

ARCHITECTURAL
&
GENERAL IRON CASTINGS

IMPROVED STABLE AND
CATTLE FITTINGS

CONTRACTORS TO HER MAJESTY'S WAR, PRISONS & INDIAN DEPARTMENTS.



PRESENTED TO
Messrs J. Mc Laren & Sons
Dundee

With the Compliments of

M'DOWALL, STEVEN, & CO. LIMITED.

SECTION V
IMPROVED STABLE AND CATTLE FITTINGS.

J^C DOWALL, STEVEN & CO^Y LIMITED.

ARCHITECTURAL IRON FOUNDERS

AND

SANITARY ENGINEERS.

MILTON IRON WORKS,

GLASGOW.

21ST EDITION

LONDON ADDRESS,

4 UPPER THAMES ST. E. C.



GLASGOW ADDRESS,

NORTH WOODSIDE ROAD.

CONTRACTORS TO HER MAJESTY'S WAR, PRISONS, AND INDIAN DEPARTMENTS.

IN ADDITION TO THE CASTINGS SHOWN IN THIS SECTION,

WE ARE

MANUFACTURERS OF

- | | | |
|-----------------|---|--|
| SECTION
I. | { | OPEN & CLOSE FIRE KITCHEN RANGES, & PORTABLE RANGES.
BAKERS' OVEN METAL. |
| SECTION
II. | { | REGISTER GRATES & REGISTER SHAMS, <i>plain, ornamental, and with tiles.</i>
MANTEL REGISTERS & MANTEL SHAMS, <i>plain, ornamental, and with tiles.</i>
CHIMNEY PIECES, <i>plain and ornamental.</i>
GALTON'S VENTILATING GRATE, <i>for Barracks.</i>
DOG GRATES, <i>for Dining Rooms, &c.</i>
OPEN FIRE HOT AIR STOVES, <i>for Halls, Hospitals, &c.</i>
SLOW COMBUSTION STOVES, <i>for Offices, &c.</i>
GILL STOVES, <i>for Churches, Halls, &c.</i>
LAUNDRY, TAILORS, PLUMBERS', & MASONS' STOVES.
YACHT. CABIN, HARNESS ROOM, & DAIRY STOVES.
GAS COOKING STOVES. |
| SECTION
III. | { | PIPES, RAIN WATER, SOIL, GAS, & WATER, <i>with the latest improved Connexions.</i>
GUTTERS AND CONNEXIONS <i>of all kinds.</i>
PUMPS, WATER TROUGHS, SINKS, & SINK TRAPS.
FURNACE PANS & FITTINGS.
BATHS, <i>plain and enamelled, and fitted with all the most recent patent improvements.</i>
LAVATORIES, URINALS, CLOSETS, & SANITARY CASTINGS <i>of every description.</i>
DUST BINS, ORDURE & DRY CLOSETS. |
| SECTION
IV. | { | VERANDAHS, BALCONIES, PORCHES, COVERED WAYS, SHOP FRONTS.
CONSERVATORIES, BANDSTANDS, FOUNTAINS, STAIRS, LAMPS.
WINDOWS, COLUMNS, RAILINGS, GATES, TERMINALS, &c. |
| SECTION
VI. | { | HOT WATER PIPES <i>and Connexions in endless variety.</i>
HOT WATER COILS AND COIL CASES.
HOT WATER VALVES, <i>various kinds.</i> |

See SPECIMEN PLATES following page 2295

Mc DOWALL, STEVEN & Co., GLASGOW.^{LIMITED.}
CONTRACTORS TO HER MAJESTY'S



WAR, PRISONS & INDIAN DEPARTMENTS

THE METROPOLITAN FIRE BRIGADE

THE CORPORATION OF THE CITY OF LONDON

THE VESTRIES AND LOCAL BOARDS OF WORKS

THE ADMIRALTY

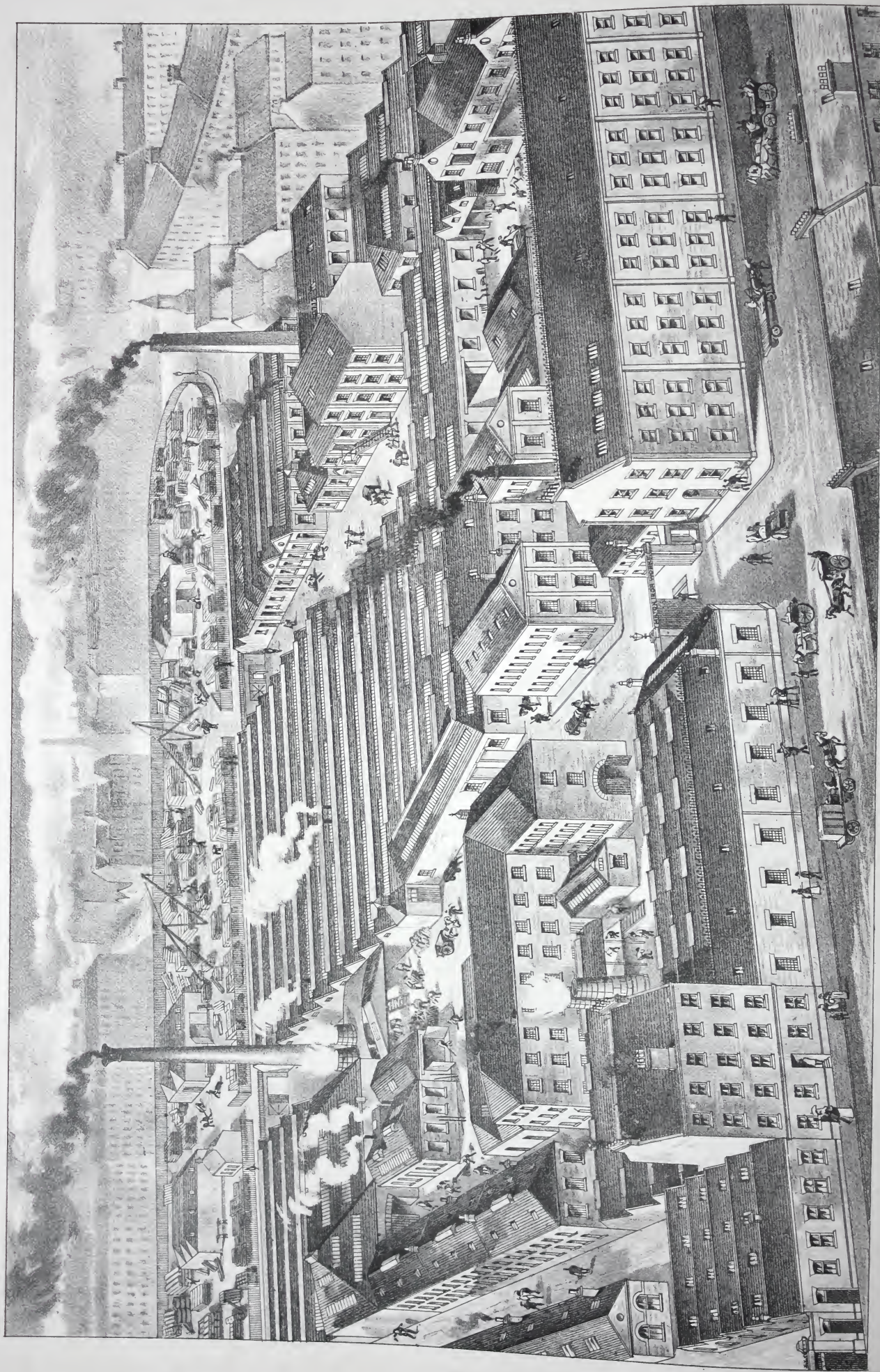
THE SCHOOL BOARDS

THE PRINCIPAL RAILWAY COMPANIES

WORKS

ESTABLISHED

OVER HALF A CENTURY

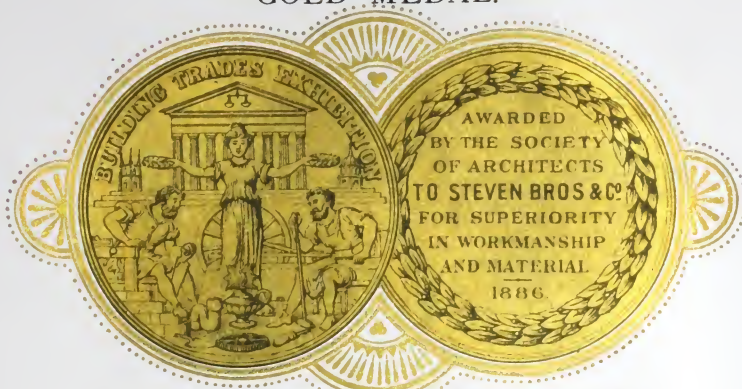


MILTON IRON WORKS, GLASGOW

IMPROVED STABLE AND CATTLE FITTINGS.

SECTION V. OF COMPLETE CATALOGUE

GOLD MEDAL.



BUILDING TRADES EXHIBITION.
LONDON, 1886.

BRONZE MEDAL.



ADELAIDE JUBILEE INTERNATIONAL EXHIBITION.

FIRST ORDER OF MERIT

SECOND ORDER OF MERIT

{ CAST IRON WORK
COOKING RANGES
ENAMELLED BATHS AND
LAVATORIES

{ FOR LOOSE BOX STALL AND
STALL FITTINGS.

FIRST AWARD



MELBOURNE INTERNATIONAL EXHIBITION, 1880.

SILVER MEDAL (FIRST AWARD) FOR KITCHEN RANGES AT THE MELBOURNE EXHIBITION, 1880.

CERTIFICATE OF MERIT FOR GENERAL EXCELLENCE _____

CERTIFICATE OF MERIT SPECIALLY FOR ENAMELLED BATHS, WITH FITTINGS AND SOAP TRAY INSIDE

AT THE INTERNATIONAL SANITARY
EXHIBITION, SOUTH KENSINGTON, 1881.

SILVER MEDAL (HIGHEST AWARD) FOR KITCHENERS, STOVES, BATHS, & CONSTRUCTIONAL IRON WORK AT THE EASTBOURNE EXHIBITION, 1881.

SILVER MEDAL (HIGHEST AWARD) FOR STOVES, RANGES, BATHS, AND ORNAMENTAL CASTINGS AT PETERBOROUGH EXHIBITION, 1882.

AWARD FOR KITCHENERS WITH REGISTERED SELF-ACTING CONE VENTILATORS, FROM THE INTERNATIONAL FISHERIES EXHIBITION, LONDON, 1883.

HIGHEST AWARD



EASTBOURNE EXHIBITION OF SANITARY APPLIANCES AND FINE ART, 1881.

HIGHEST AWARD



PETERBOROUGH INDUSTRIAL AND FINE ART EXHIBITION, 1882.

SECTION V.

STABLE AND CATTLE FITTINGS

THE NUMBERS AND DESCRIPTION

HAVING BEEN RE-ARRANGED, ALL FORMER

ILLUSTRATED CATALOGUES & PRICE LISTS OF CASTINGS CONTAINED IN THIS SECTION ARE, WITHDRAWN.

In compiling this Catalogue neither time nor expense has been spared, the illustrations being executed in a high-class style. Our aim being to present it as complete as possible, with clearly drawn Plans, Sections and Perspectives, with figured dimensions for the erecting of Stables, and Cow Houses with all the latest improvements. Our customers are thereby enabled to choose the style best suited for their requirements.

Regarding the application of Wrought Iron. This we have always used where found essential, viz.:—In Bars of Divisions, Hay Racks, Sliding Barriers, Harness Brackets, etc., while Stall and Loose Box Posts, etc., are made of Cast Iron, thus avoiding the quick corrosive action that takes place in Wrought Iron Posts, and this occurs at the most vital part, viz.—“At the ground line.”

The various patterns have undergone a thorough revision, and new ones added where found necessary. These being kept in the best condition enables us to produce Castings of Superior merit.

The Examples illustrated in this Section are Specimens of some of the work executed by us.

Designs and Specifications of Architects, Engineers, and others faithfully carried into effect.

Our future endeavours will be, as in the past, to keep forward with the times, and make every improvemnt where found wanting.

It is now over half a century since our Works were established; during that time we have issued several editions of Illustrated Catalogues of our Manufactures, complete in one volume, but such has been the increase of our designs and patterns, in recent years, in all departments of our Work that it has become a necessity to issue our New Edition in sections.

-
- SECTION 1, OPEN AND CLOSE FIRE KITCHEN RANGES, HOT PLATES, AND OTHER COOKING APPARATUS.
 - SECTION 2, REGISTER GRATES, MANTEL REGISTER GRATES, OVERMANTELS, STOVES, GILL, HOT AIR, OPEN FIRE, LAUNDRY, &c.
 - SECTION 3, RAIN WATER, PLUMBING, AND SANITARY CASTINGS.
 - SECTION 4, ORNAMENTAL CASTINGS AND CONSTRUCTIONAL WORK.
 - SECTION 5, STABLE AND CATTLE FITTINGS.
 - SECTION 6, HOT WATER APPLIANCES.

CONTENTS.

A	PAGE.
AIR BRICKS AND VENTILATORS, - - -	2246-2253
ARCHIMEDEAN (REVOLVING) SCREW VENTILATOR AND SMOKE CONDUCTOR,	2237
ARNOTT'S VENTILATORS, - - - -	2249

B	PAGE.
BACK GUIDES OR ROLLERS, - - -	2230
BARRIERS TO STALLS DIVISIONS. EXAMPLES SHOWING APPLICATION OF SINGLE AND DOUBLE, - - - -	2104, 2160-2161
BARROWS (WHEEL), SACK AND GARDEN,	2238
BASE, SELF FIXING, - - - - -	2231
BASINS, WASH HAND, - - - - -	2236
BASKETS, SPONGE, - - - - -	2223
BEARERS AND BARS, FURNACE, - -	2261
BIN, STREET DUST, - - - - -	2235
BINDING CHAINS, CATTLE, - - - -	2285
BINS AND CORN CHESTS, - - - -	2236-2237
BIT AND STIRRUP HOLDER, - - - -	2223
Do. do. do. FOR CLEANING } PURPOSES, - - - - -	2227
BIT HOLDER - - - - -	2227
BOILERS OR FURNACE PANS, - - - -	2261
BOLTS, BARREL, FLUSH, SLIP, AND SPRING,	2230
BOX, BRUSH OR SPONGE, - - - - -	2223
BOXES FOR STOPPING MIXTURE, BRUSH, LEATHER, SOAP, AND SAND, - - - -	2229
BRACKETS, BLANKETS OR HORSE RUG, -	2223
Do., BRIDLE, - - - - -	2222, 2224
Do., BUCKET, - - - - -	2223
Do., CARRIAGE LAMP, - - - - -	2224
Do., COLLAR, - - - - -	2222, 2224
Do., COLLAR AND CRUPPER, - - - -	2222
Do., COLLAR, MARTINGALE, AND CRUPPER, - - - - -	"
Do., CRUPPER, - - - - -	2224
Do., DOUBLE HARNESS SADDLE, -	2222, 2224
Do., DRAUGHT HORSE HARNESS, -	2222, 2225
Do., DRIVING BRIDLE - - - - -	2222, 2224
Do., DRIVING BRIDLE & WINKERS,	2222
Do., FOR WOOD RAIL, - - - - -	2226
Do., GIRTH, - - - - -	2224
Do., HARNESS PAD, - - - - -	2224
Do., HARNESS, &c., - - - - -	2222-2232
Do., HINGED SADDLE, - - - - -	2225
Do., HOSE, - - - - -	2223
Do., MILITARY SADDLE, - - - - -	2222
Do., REVOLVING ON HEAD & POST, 2169,	2231
Do., RIDING BRIDLE, - - - - -	2222

C	PAGE.
BRACKETS, SADDLE, - - - - -	2222-2225
Do., SINGLE HARNESS SADDLE, -	2222, 2224
Do., SPRING, - - - - -	2224
Do., STIRRUP, - - - - -	"
Do., SWING, - - - - -	2222
BRICKS, RED, BLUE, OR BUFF, STABLE, -	2114
BROOM, FORK, OR SHOVEL HOLDER, -	2222
BRUSH OR SPONGE BOX, - - - - -	2223
BUSHES OR CART BOXES, - - - - -	2262
BYRE RAIL, - - - - -	2285
Do. GUTTER AND CONNECTIONS, - -	2286

C	PAGE.
CARRIAGE LAMP BRACKET, - - - -	2224
Do. POLE HOOK, - - - - -	2223
Do. POLE RACK, - - - - -	"
CART BOXES OR BUSHES, - - - - -	2262
CATTLE BINDING CHAINS, - - - - -	2285
Do. TROUGHS, WATER AND FEEDING, 2258,	2283
CHAINS, MANGER, NOB, CHECK, BUCKLE, PILLAR, RACK, - - - - -	2231
Do. CATTLE BINDING, - - - - -	2285
CHANNEL GRATINGS AND FRAMES, - -	2215
CHEESE ROOM AND DAIRY STOVE, - -	2291
Do. PRESS, - - - - -	2295
CHEST HANDLE, - - - - -	2230
CHESTS AND BINS, CORN, - - - - -	2236-2237
CISTERNS AND TANKS, - - - - -	2238
CLEANING HORSE, HARNESS, - - - -	2227
Do. HOOKS, HARNESS, - - - - -	2228
Do. RACK, HARNESS, - - - - -	2227
CLOCK WEIGHTS, - - - - -	2262
COAL OR DUST SHOOT, - - - - -	2235
COCKS, WATER SUPPLY AND WASTE, -	2226
CONTRACTORS OR TRAMWAY STABLES, -	2111
COPPER DOOR - - - - -	2261
CORN CHESTS AND BINS, - - - - -	2236-2237
CORN METER, - - - - -	2236
Do. STACK PILLARS, - - - - -	2292
CORNER MANGERS, - - - - -	2174-2175
COW HOUSE PLANS, - - - - -	2268-2271
CRAB WINCHES, - - - - -	2295
CRANES FOR WATER SUPPLY, - - - -	2226

D	PAGE.
DAIRY AND CHEESE-ROOM STOVE, - -	2291
Do. GUTTER AND CONNECTIONS, - -	2286

CONTENTS.

	PAGE.
DAMPER AND FRAME, - - - - -	2261
DEAD PLATES, - - - - -	"
DISHED AND FLAT DRAIN GRATINGS, -	2216
DIVISIONS, HINGED, - - - - -	2159
Do., STALL AND LOOSE BOX, 2119, 2128-	2161
DOG TROUGHS, - - - - -	2285
DOOR LATCHES, - - - - -	2230
DOORS, LOOSE BOX, - - - - -	2162-2165
DOORS, FURNACE, - - - - -	2261
DOUBLE DOOR AND FRAME, FURNACE, -	"
DRAIN GRATINGS, - - - - -	2215-2216
Do. TRAPS, - - - - -	2214
DRINKING TROUGHS, - - - - -	2258-2260
DUMB BELLS, - - - - -	2262
DUST BIN, STREET, - - - - -	2235
DUST OR COAL SHOOT, - - - - -	"
E	
EXAMPLE OF COW HOUSES, SHOWING RANGES OF STALLS, - - - - -	2267-2278
EXAMPLE SHOWING APPLICATION OF— FASTENING SHOES, - - - - -	2205
HINGED DIVISIONS, - - - - -	2109
SINGLE & DOUBLE SLIDING BARRIERS, -	2104, 2160-2161
EXAMPLE SHOWING ARRANGEMENT OF— HARNESS BRACKETS, - - - - -	2232
TYING APPARATUS, - - - - -	2205-2207
EXAMPLE SHOWING— CONTRACTORS' OR TRAMWAY STABLES,	2111
CORN STACK PILLARS, - - - - -	2292
LOOSE BOX AND RANGE OF STALLS, -	2108
MILITARY TROOP STABLE, - - - - -	2110
RANGE OF LOOSE BOXES, WITH SLIDING DOORS, - - - - -	2106
RANGE OF STALLS (ORNAMENTAL), -	2112
Do. FOR TRAMWAY OR CONTRACTORS' STABLES, - - - - -	2111
SLIDING BARRIERS, - - - - -	2104
SLIDING PANEL AT HEAD OF STALL FOR FEEDING PURPOSES, - - - - -	2104
TWO LOOSE BOXES & RANGE OF STALLS,	2105
TWO STALLS AND TWO LOOSE BOXES, -	2104, 2113
EXAMPLES OF STABLES, - - - - -	2101-2114
EYELET, - - - - -	2230
F	
FASTENING SHOES, EXAMPLE SHOWING APPLICATION, - - - - -	2205
FEEDING PAN, - - - - -	2285

	PAGE.
FEEDING TROUGHS FOR CATTLE, PIG, POULTRY, AND DOG, - - - - -	2283-2285
FEEDING TRUCK, - - - - -	2285
FIRE PLUG, - - - - -	2261
FORK, SHOVEL, OR BROOM HOLDER, -	2222
FOUNTAIN, WALL, - - - - -	2236
FURNACE BAR - - - - -	2261
Do. GRATE, - - - - -	"
Do. PANS OR BOILERS, - - - - -	"
G	
GARDEN AND SACK WHEEL BARROWS, -	2238
Do. GRATINGS AND FRAMES, - - -	2215
GARDEN ROLLERS, - - - - -	2294
GARGOYLE PIPE, - - - - -	2235
GRATE ROLLERS OR PULLEY & SHEARS, -	2235
Do. STOP, - - - - -	"
GIRTH OR HARNESS HOOKS & BRACKETS,	2222-2224
Do. STRETCHERS, - - - - -	2227-2228
GRATE, STOVES, AND RANGES FOR HAR- NESS ROOM, - - - - -	2254-2257
GRATINGS AND FRAMES, STABLE, GARDEN, SURFACE, CHANNEL, AND STREET, -	2215
GRATINGS, DISHED AND FLAT DRAIN, -	2216
GRILL, - - - - -	2171
GUARDS, MANURE, - - - - -	2238
GUTTERS AND CONNECTIONS, BYRE, DAIRY, AND WASHING-HOUSE, - - -	2286
GUTTERS AND CONNECTIONS, STABLE AND STREET, - - - - -	2211-2213
H	
HALTER BOXES, - - - - -	2231
Do. WEIGHTS, - - - - -	"
HANDLES, - - - - -	2230
HARNESS BRACKETS, HOOKS, &c., - -	2222-2232
Do. CLEANING HOOKS, - - - - -	2228
Do. Do. HORSE, - - - - -	2227
Do. Do. RACK, - - - - -	"
Do. ROOM STOVE, GRATES, AND RANGES, - - - - -	2254-2257
HAY RACKS FOR STABLES, - - - - -	2208
Do. FOR COW HOUSES, - - - - -	2267-2278
HEADS FOR POSTS, - - - - -	2168-2169
HEATERS, TEA URN, - - - - -	2262
HINGED DIVISIONS, - - - - -	2159
HOLDER, BIT AND STIRRUP, - - - -	2223
Do., Do., FOR CLEANING PURPOSES, - - - - -	2227
HOLDER, CRUPPER, - - - - -	2224

CONTENTS.

	PAGE.
HOLDER, FORK, SHOVEL, OR BROOM, -	2222
Do., REIN, - - - - -	2224
Do., REIN AND CRUPPER, - - -	2222
Do., WHIP, - - - - -	2223-2224
HOOKS, BRIDLE, - - - - -	2222-2223
Do., CARRIAGE POLE, - - - -	2223
Do., HARNESS, GIRTH, &c., - -	2222-2228 2230-2232
Do., WEDGE, - - - - -	2223
HORSE AND MARE POTS, - - - -	2214
HORSE RUG OR BLANKET BRACKET, -	2223
Do. TROUGHS, - - - - -	2258-2260
HORSES' NAME PLATES, - - - -	2220
HOSE BRACKETS, - - - - -	2223
Do. GUARD, - - - - -	2231

I

INDEX TO RAMP AND TOP RAILS, STALL AND LOOSE BOX DIVISIONS,	2119
Do. MANGERS AND MANGER SETS, -	2172
Do. NAME PLATES, HARNESS BRACK- ETS, CLEANING AND TYING APPARATUS, - - - -	2219
INLET VENTILATOR, FRESH AIR, - -	2229
INVERTED LOOSE BOX DIVISIONS, - -	2147

L

LAMP BRACKET, CARRIAGE, - - -	2224
LAMP POSTS WITH LANTERNS FOUNTAINS, AND HORSE AND DOG TROUGHS, - -	2258-2259
LAND AND PRESS WHEEL ROLLERS, -	2293
LANTERNS, - - - - -	2236
LOCKS AND LATCHES, - - - - -	2230
LOOSE BOX AND STALL DIVISIONS, -	2128-2161
Do. DOORS, - - - - -	2162-2165
Do. AND STALL MANGERS AND MANGER SETS, - - - -	2173-2200
LOUVRE VENTILATORS, - - - - -	2252-2253

M

MANGER ROLLERS OR BACK GUIDES, -	2230
MANGER RINGS, - - - - -	"
MANGERS AND MANGER SETS FOR STALL AND LOOSE BOX, - - - -	2172-2200
MANURE GUARDS, - - - - -	2238
MARE AND HORSE POTS, - - - -	2214
METER, CORN, - - - - -	2236
MILITARY SADDLE BRACKETS, - - -	2222
Do. STABLES, - - - - -	2110, 2170-2171
MORTICE LOCKS AND LATCHES, - -	2230

N

	PAGE.
NAME PLATES, - - - - -	2221
Do. FOR POSTS, - - - - -	2169
Do., HORSES, - - - - -	2220
NICHES (WALL) FOR WATER SUPPLY, -	2226

O

OFFICERS' STABLES, - - - - -	2171
ORNAMENT FOR WALL END OF RAMP AND RAISED HAY RACK, - - - -	2230

P

PIG TROUGHS, - - - - -	2284-2285
PLAN SHOWING—	
APPLICATION OF HINGED DIVISION, -	2109
EIGHT STALLS, - - - - -	2102
FOUR LOOSE BOXES, - - - - -	"
LOOSE BOX AND RANGE OF STALLS, -	2108
STABLES AND OFFICES, - - - -	2103
THREE LOOSE BOXES WITH SLIDING DOORS, - - - - -	2107
TWO LOOSE BOXES AND RANGE OF STALLS, - - - - -	"
TWO STALLS AND TWO LOOSE BOXES,	2102
PLANS OF COW HOUSES, - - - -	2268-2271
PORTABLE BOILER, - - - - -	2261
POSTS AND HEADS FOR RAMPS AND STALL DIVISIONS, - - - -	2166-2167
POULTRY TROUGHS, - - - - -	2285
PRESS, WHEEL, AND LAND ROLLERS, -	2293
PULLEYS & SHEARS OR GATE ROLLERS, -	2235

R

RACK, CARRIAGE POLE, - - - -	2223
Do., HARNESS CLEANING, - - -	2227
RACKS (HAY) FOR STABLE, - - -	2208
Do. FOR COW HOUSES, - - - -	2267-2278
RAIL, BYRE, - - - - -	2285
RAMPS AND TOP RAILS, - - - -	2119-2127
RANGES, STOVES, AND GRATE FOR HAR- NESS-ROOM, - - - - -	2254-2257
REIN HOOKS AND HOLDERS, - - -	2222, 2224, 2232
RINGS, MANGER, - - - - -	2230
ROLLERS OR BACK GUIDES, - - -	"
Do., LAND, PRESS WHEEL, & GARDEN,	2293, 2294
RUG (HORSE) OR BLANKET BRACKET, -	2223

CONTENTS.

S	PAGE.
SACK, GARDEN, AND WHEEL BARROWS,	2238
SADDLE AIRER, - - - - -	2227
Do. BRACKETS, - - - - -	2222-2225
Do. STANDS, - - - - -	2227 2228
SASH WEIGHTS, - - - - -	2262
SCALE WEIGHTS, - - - - -	"
SELF FIXING BASE, - - - - -	2231
SHEEP TROUGHS, - - - - -	2285
SHERRINGHAM VENTILATOR, - - -	2249
SHOES OF MANGER COVERS, EXAMPLE SHOWING APPLICATION OF FASTEN- ING TO SIDE OF STALL, - - -	2205
SHOOTS, COAL OR DUST, - - - -	2235
SHOVEL, FORK, OR BROOM HOLDER, -	2222
SILLS, - - - - -	2119-2165
SKID IRONS, - - - - -	2262
SKYLIGHTS, - - - - -	2245
SLIDING LOOSE BOX DOORS, - - -	2165
SLIDING PANEL AT HEAD OF STALL FOR FEEDING, PURPOSES, - - -	2104,
SLIP BOLTS, - - - - -	2230
SMOKE CONDUCTOR AND REVOLVING ARCHIMEDEAN SCREW VENTILATOR, -	2237
SOCKETS, STABLE POTS, - - - -	2231
SOOT BOX AND FRAME, - - - - -	2261
SPONGE BASKETS, - - - - -	2223
SPONGE OR BRUSH BOX, - - - -	"
STABLE GRATINGS AND FRAMES, - -	2215
STALL AND LOOSE BOX DIVISIONS, {	2119 2128-2161
Do. Do. MANGER AND	
MANGER SETS, - - - - -	2172-2200
STANDS, SADDLE, - - - - -	2227-2228
STEVEN'S EXHAUST VENTILATOR, - -	2237
STIRRUP AND BIT HOLDER, - - -	2223
Do. Do. FOR CLEANING PURPOSES, - - - - -	2227
STOP FOR GATE, - - - - -	2235
Do. TAP BOX - - - - -	2261
STOVE, DAIRY AND CHEESE ROOM, - -	2291
STOVES, GRATE & RANGES FOR HARNESS ROOM, - - - - -	2254-2257
STREET DUST BIN, - - - - -	2235
Do. GRATINGS AND FRAMES, - - -	2215
Do. GUTTERS AND CONNECTIONS, - -	2213
STRETCHERS, GIRTH, - - - - -	2227-2228
SURFACE GRATINGS, - - - - -	2215

	PAGE.
SURFACE GUTTERS AND CONNECTIONS,	2212
SWING BRACKET, - - - - -	2222
T	
TANKS AND CISTERNS, - - - - -	2238
TAP BOX, STOP, - - - - -	2261
TEA URN HEATERS, - - - - -	2262
TELESCOPIC HARNESS CLEANING HOOKS,	2228
TIP-UP WASH-HAND BASINS, - - -	2236
TOP RAILS AND RAMPS, - - - - -	2119-2127
TRAMWAY OR CONTRACTORS' STABLES, EXAMPLE SHOWING RANGE OF STALLS,	2111
TRAPS, DRAIN, - - - - -	2214
TROOP, STABLE, - - - - -	2110, 2170
TROUGHS (DRINKING AND FEEDING) HORSE, CATTLE, PIG, SHEEP, POULTRY, AND DOG, - - - - -	2258-2260 2283-2285
TROUGHS, WATER, - - - - -	2258-2260
TRUCK, FEEDING, - - - - -	2285
TYING APPARATUS, EXAMPLE SHOWING APPLICATION TO MANGER SETS, - -	2205-2207
U	
URINALS, - - - - -	2235
URN (TEA) HEATERS, - - - - -	2262
V	
VENTILATORS AND AIR BRICKS, - - -	2229, 2237 2246-2253
W	
WALL FOUNTAIN, - - - - -	2236
Do. NICHES FOR WATER SUPPLY, - -	2226
WASH HAND BASINS, - - - - -	2236
WASHING HOUSE GUTTER AND CON- NECTIONS, - - - - -	2286
WATER POTS, - - - - -	2176
WATER SUPPLY AND WASTE COCKS, - -	2226
WATER TROUGHS, - - - - -	2258-2260
WEDGE HOOKS, - - - - -	2223
WEIGHTS, HALTER, - - - - -	2231
Do., SCALE, CLOCK, AND SASH, - -	2262
WHEEL BARROWS, GARDEN AND SACK,	2238
WHEELS, - GROOVED, TRUCK, BARROW, BOGIE, GARDEN ENGINE, LAY HEAD, MANGLE, FANNER AND FLY, - - -	2263-2264
WHIP HOLDERS, - - - - -	2223-2224
WINCHES, CRAB, - - - - -	2295
WINDOWS, - RECTANGULAR, ARCHED, CIR- CULAR, AND SEMI-CIRCULAR, - - -	2241-2244

Our Stable Fittings are in use in the Stables of our own Royal Family, as well as in many of those of the Crowned Heads of Europe, and other Foreign Powers.

We also annex a few addresses where our Stable Fittings have been supplied:—

British Consul General, Smyrna.
 Her Majesty's Legation, Tangiers.
 Her Majesty's Legation, Brussels.
 Her Majesty's Barracks, Dover.
 Her Majesty's Barracks, Maryhill, Glasgow.
 Marquis of Salisbury, Hatfield, Herts.
 Earl of Northampton.
 Lord Russell, Belgrave Square.
 Sir Gabriel Goldney, Heatherside, Camberley.
 Lady Webster, Hildon House, Horsebridge, Hunts.
 Lady Pearce, 1 Hyde Park Gardens, W.
 Clarence Smith, Esq., J.P., M.P., *Ex-Sheriff* of London, Chislehurst.
 Mark Beaufoy, Esq., J.P., M.P., Coombe Priory, Shaftesbury, Dorset.
 Hampton Court Palace.
 Colonel Rotton, L.C.C., Parkstone, Roupell Park, S.W.
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 Captain Bancroft, Ravenscroft, Surbiton.
 A. Millar, Esq., "Oliva," Putney Hill, W. (*A Waterhouse Architect*).
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 J. Webb, Esq., "Sylva," Putney Heath, S.W.
 Adolph Kempf, Esq., Toria House, South Norwood Hill.
 South Vale, Upper Norwood.
 "Woodlands," Beaulah Hill, Upper Norwood.
 H. B. Mitchell, Esq., "Cotleigh," Auckland Road, Upper Norwood.
 Merton Hall, Dundonald Road, South Wimbledon.
 The "George" Tavern, Balham, S.W.
 H. M. Mackusick, Esq., Merstham, Surrey.
 Charles D. Hodgson, Esq., Bramley, Surrey.
 Hunter & Bryant, Warlingham, Surrey.
 W. Redhead, Esq., Carville Hall, Kew Bridge.
 G. Trotter, Esq., Legge House, Dartmouth Park Avenue.
 Salisbury Baxendale, Esq., Elsenham.
 John Gordon, Esq., Spring Hill, Bromley, Kent.
 Dr. Barton, Gouville House, Beckenham.
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 G. Phillips, Esq., St. Leonard's Hall, West Malling.
 G. Beaney, Esq., St. Leonard's-on-Sea.
 "Brooklands," Broomfield, near Chelmsford.
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 J. R. Argenti, Esq., The Lodge, Palmers Green.
 James Holloway, Esq., Bracknell.
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 Messrs. J. & J. Colman, Carrow Works, Norwich.
 F. W. Donkin, Esq., The Warren, Itchingfield, Horsham.
 W. Hoskinson, Esq., Loggens Mills, Hayle, Cornwall.
 Temple House, Frilsham, near Newbury.
 Clifton Hotel Co., Eastbourne.
 Job Masters' Stables, (Weston's), Eastbourne.
 J. Fish, Esq., Nightingale Hall, Woodford Green.
 Spenser, Whatley & Underhill, Coal Merchants, Uxbridge Road, W.
 W. H. Ellis, Esq., Clovelly, Hounslow.
 Dr. Brown, 1 Bartholomew Road, Kentish Town.
 New Local Board Offices, Battersea, S.W.
 New Town Hall, Ealing, W.
 Lower Place Farm, Acton Lane, Harlesden, N.W.
 Local Board Offices, Ealing, W.
 Worcester House, Clapham Common.
 Messrs. Myer's Stables, Vauxhall Walk, Lambeth, S.E.
 Mrs. Fitzadams, Earls Court, S.W.
 Messrs. J. & H. Gwynne's Works, Hammersmith, W.

Contractors' Stables, Westminster Wharf, Grosvenor Road, S.W.
 Goode's Stables, Brookes Mews, Berkeley Square, W.
 Job Master's Stables, Artillery Row, Westminster.
 Co-Operative Stores, Stratford, E.
 New Police Station, Wanstead.
 Leytonstone Schools for Bethnall Green Guardians.
 Fire Engine Station, Silvertown, E.
 Harwood Hall, Upminster, Essex.
 Stable at Nunhead Reservoir.
 White Post Lane, Hackney, E.
 Messrs. Hargreaves & Co., Aldridge Brewery, near Romford.
 W. J. Twigg, Esq., Croxted House, Croxted Road, Dulwich.
 Hampton & Sons, Belvedere Road, S.E.
 Messrs. Gordon & Sons' Breweries, Peckham.
 Tanners Hill, Lewisham High Road.
 Contractors' Stables, 17 Deacon Street, Walworth Road.
 Dr. Crosleigh, Egham.
 The Bellagio Estate, East Grinstead.
 Cart Horse Stables, 42 Nine Elms Lane.
 Dray Horse Stables, Hayes Wharf, Tooley Street, S.E.
 Brewis Bros., Coal Merchants, Dray Horse Stables, 20 John Street, Penton Street, N.
 J. B. Scrivens, Esq., White House, Ashford, Middlesex.
 82 Eaton Place, S.W.
 2 and 3 Warwick Mews, Bloomfield Road, Maida Vale, W.
 Bathurst Mews, Queen Anne Gate.
 86 Brook Street, Grosvenor Square, W.
 104 Gloucester Mews, Portman Square, W.
 Gloucester Mews, Dorset Square, W.
 102 Gloucester Mews, King Street, Baker Street, W.
 48 Kinnerton Street, Belgrave Square, W.
 Fitzjohn Avenue, Hampstead, N.W.
 33 Hyde Park Gardens, Mews, W.
 17 Little Cadogan Place, Chelsea, S.W.
 50 Portland Place, W.
 Mrs. Backhouse, York.
 W. S. Steele, Esq., Philliphaugh, Selkirk, Scotland.
 Dr. McMillan, Stanley, Perth.
 Sir Thomas Gibson Carmichael, Bart., Castle Craig, Dolphinton, Lanarkshire, N.B.
 W. T. Hammond, Esq., Skeldon Mills, Ayr, N.B.
 W. Macrorie, Esq., Ayr, N.B.
 Captain C. E. Hay, Castlehill, Ayr, N.B.
 J. A. Wylie, Esq., Doggartland, Dalry, N.B.
 Thomas Glen Coats, Esq., Ferguslie, Paisley, N.B.
 Messrs. Gray, Dunn & Co., Glasgow.
 T. A. Mathieson, Esq., Toolmaker, Glasgow.
 Auchentoshan House, near Glasgow.
 Messrs. G. & J. MacLachlan, Castle Brewery, Maryhill, N.B.
 The Corporation Stables, Hamilton, N.B.
 Alloa Burgh Commissioners, N.B.
 Messrs. John Paton, Son & Co., Alloa.
 William Main, Esq., Seaforth, Kirkcaldy, N.B.
 Messrs. John & Andrew Blyth, Blythwood, Kirkcaldy, N.B.
 Messrs. W. Lumsden & Son, Freuchie, Fifeshire.
 Glenlyon, Oban, N.B.
 Creagmoray, Oban, N.B.
 Campbell Macpherson Grant, Esq., Drumduen, Forres, N.B.
 Major Chadwick, Findhorn House, Forres, N.B.

COW-HOUSE FITTINGS.

Marquis of Huntley, Aboyne N.B.
 Lord Derby, Knowsley.
 Lord Arthur Cecil, Orchardmains, Tunbridge, Kent.
 Dairy Supply Co., Finchley, N. W.

IMPROVED STABLE FITTINGS.

EXAMPLE SHOWING TWO RANGES OF STALLS.



A No. 8 POST.
B No. 25 STALL DIVISION.
C No. 32 MANGER.

D No. 4 SILL.
E No. 1 STABLE GUTTER.
F No. 5 HORSE POT

G No. 57 VENTILATOR.
H No. 39 LANTERN.
I No. 24 BRACKET.

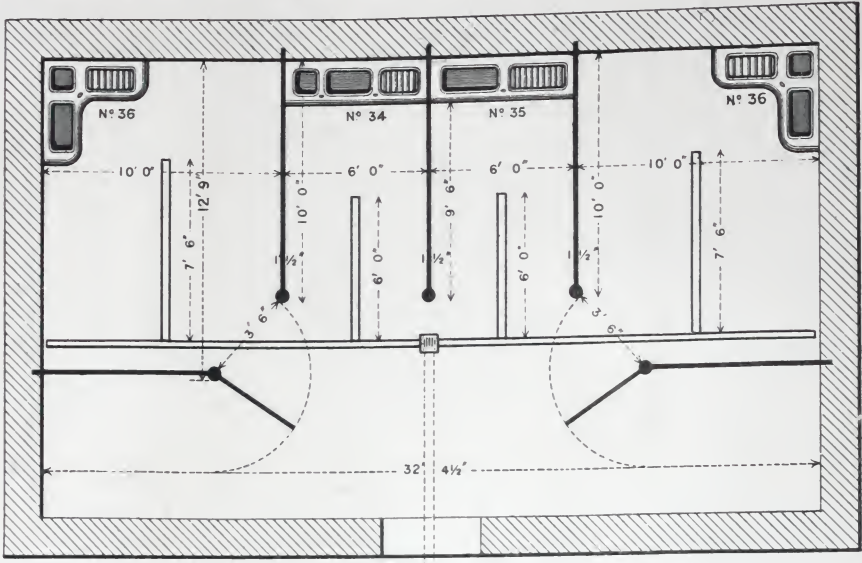
J No. 1732 CIRCULAR PANEL.
K No. 231 SEMI-CIRCULAR WINDOW.

IMPROVED STABLE FITTINGS.

IN ORDERING STABLE FITTINGS

To suit any particular Building, it is desirable to give a Sketch, in Plan, with dimensions (and relative Description), say as under:—

PLAN OF STABLE, WITH TWO STALLS AND TWO LOOSE BOXES, AS SHOWN ON PAGE 2104

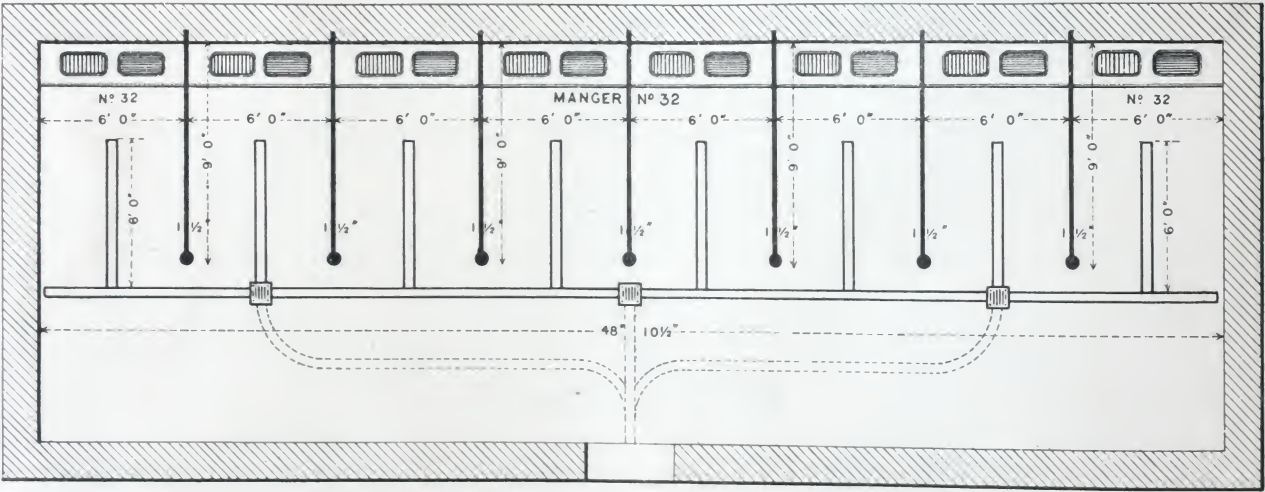


The above shows Ground Plan of Stable, with two Stalls and two Loose Boxes, as at page, 2104 of our Sheets of Stable Drawings. The Plans may be varied indefinitely, either Stalls alone, or Loose Boxes alone, or both combined, as above. The Sizes and Positions of these can also be varied as required, and different Patterns of Divisions, Posts, &c., may be selected.

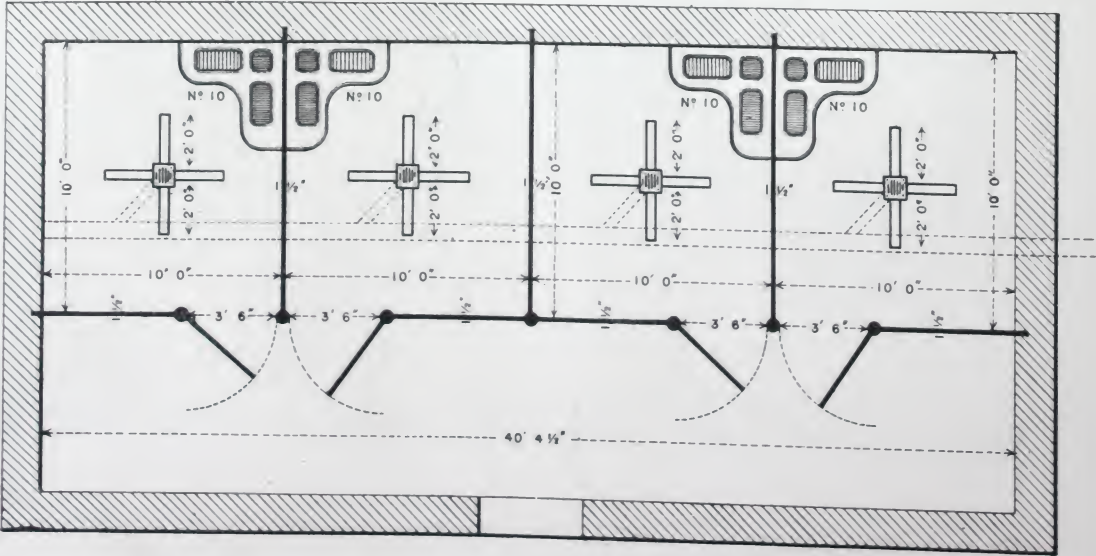
In the above Plan the dotted lines at Loose Box Doors show how they are intended to swing, and those at the Trapped Grated Pot, in centre of Gutter, show the direction of underground drain.

When not otherwise ordered, the thickness of wood is understood to be about 1 1/2 inch, and grooves will be made accordingly. Estimates can be furnished on receipt of Plans and particulars, as above indicated.

PLAN OF STABLE, WITH EIGHT STALLS

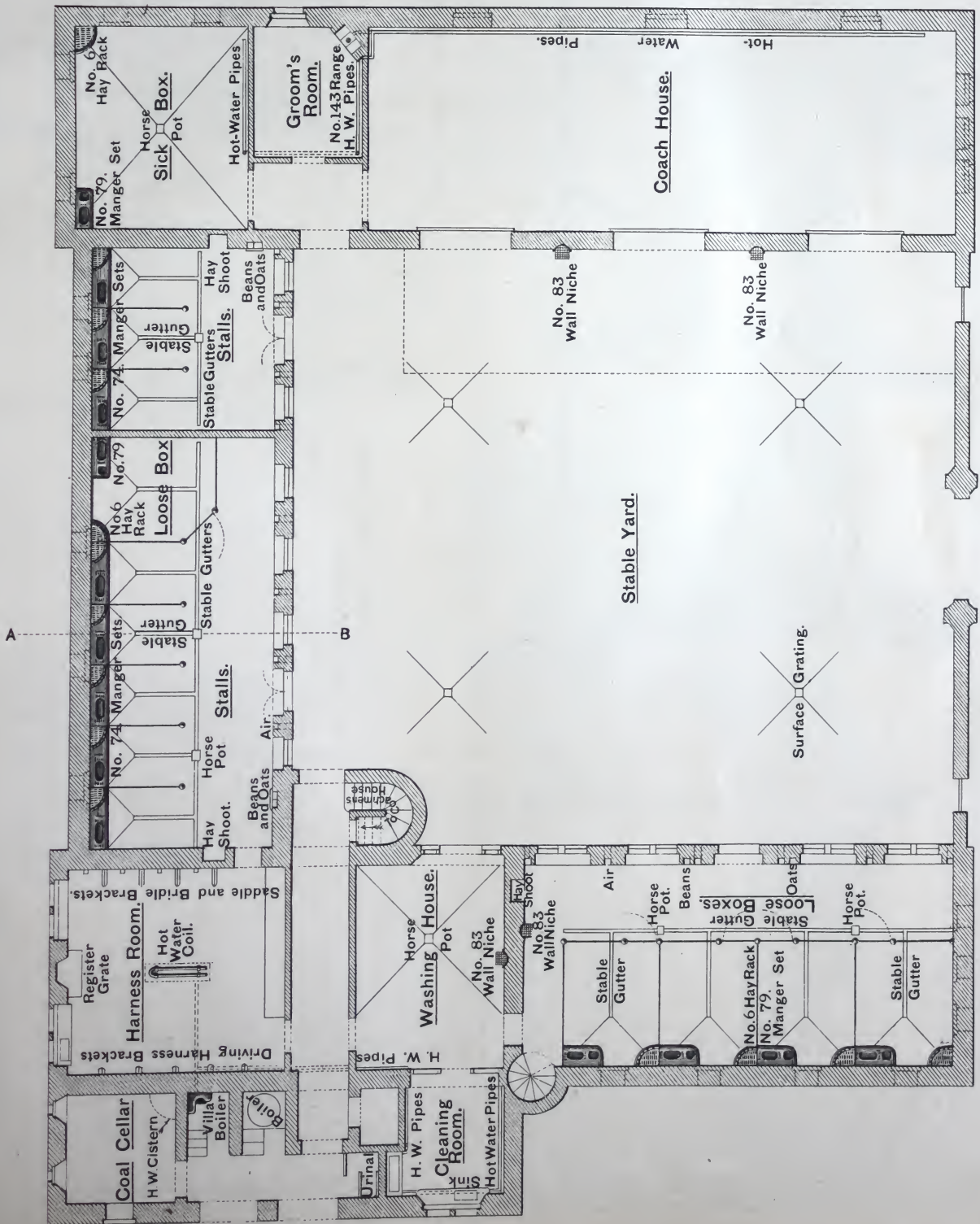


PLAN OF STABLE, WITH FOUR LOOSE BOXES,

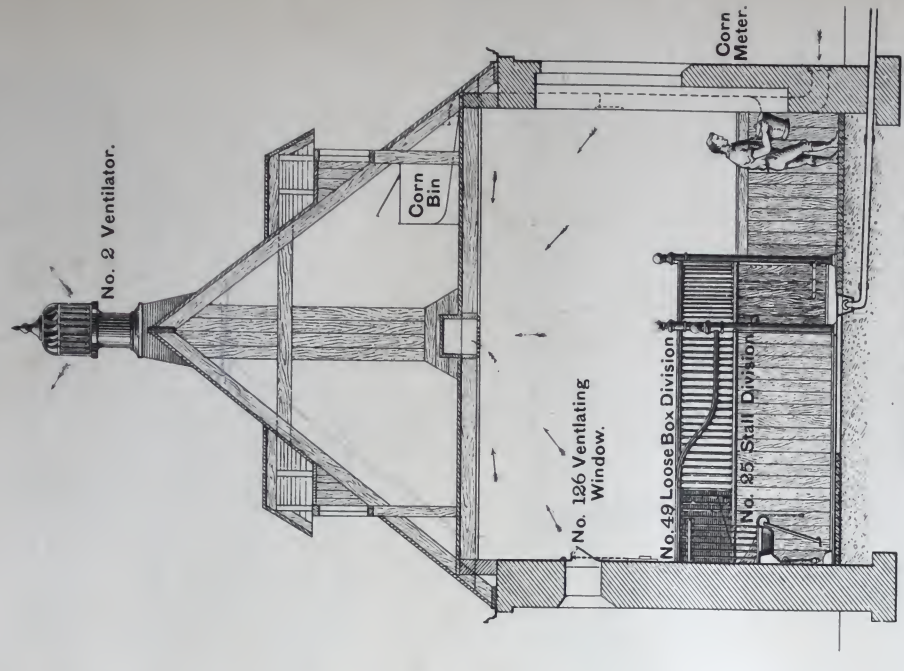


IMPROVED STABLE FITTINGS.

SUGGESTIVE PLAN OF STABLES AND OFFICES.



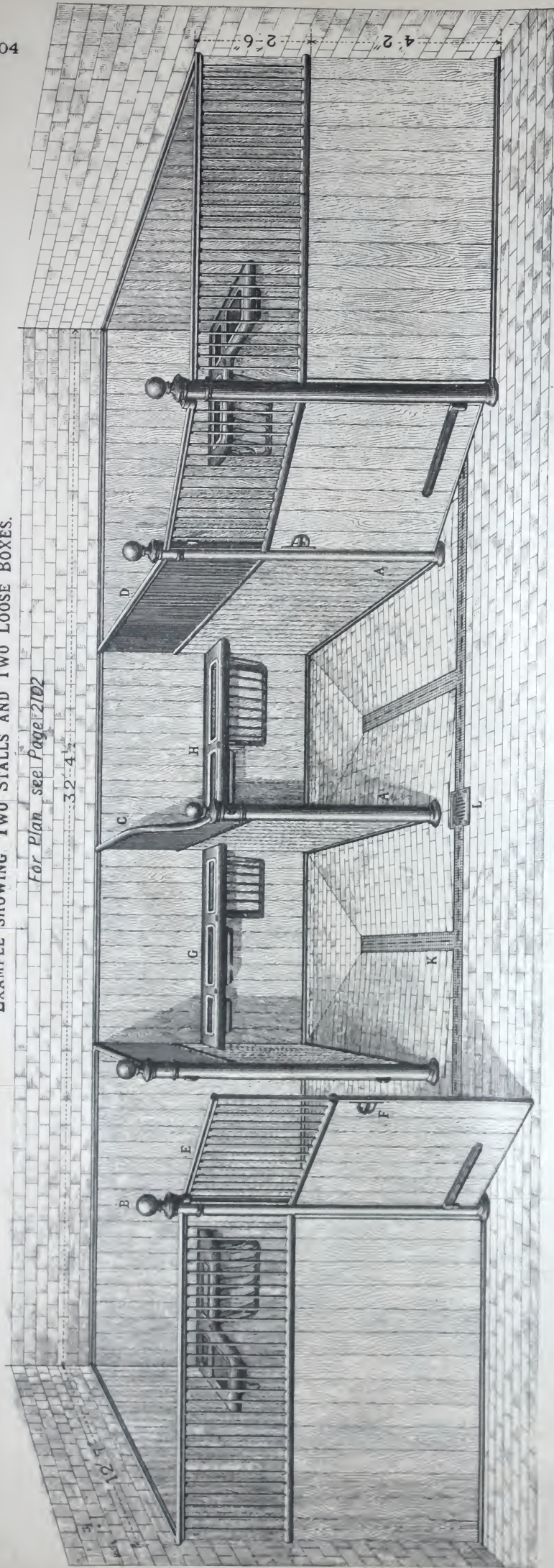
Scale of Plan
10 5 0 10 20 30 40 50 60 Feet.



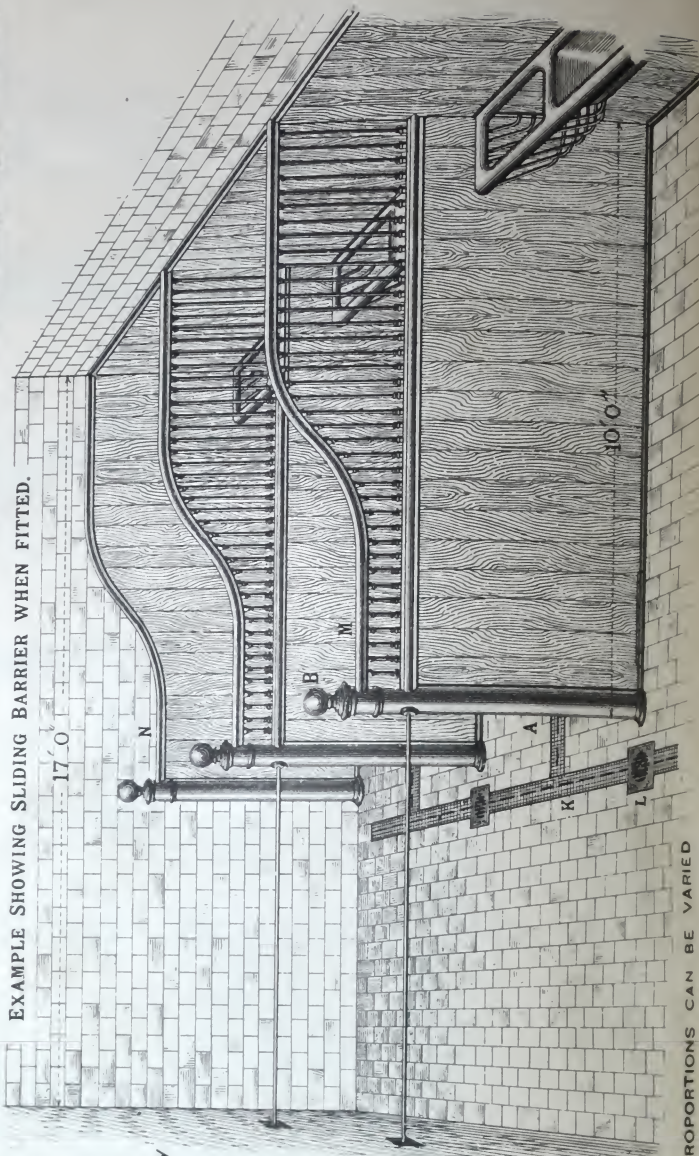
Scale of Section
10 5 0 10 Feet.

IMPROVED STABLE FITTINGS. EXAMPLE SHOWING TWO STALLS AND TWO LOOSE BOXES.

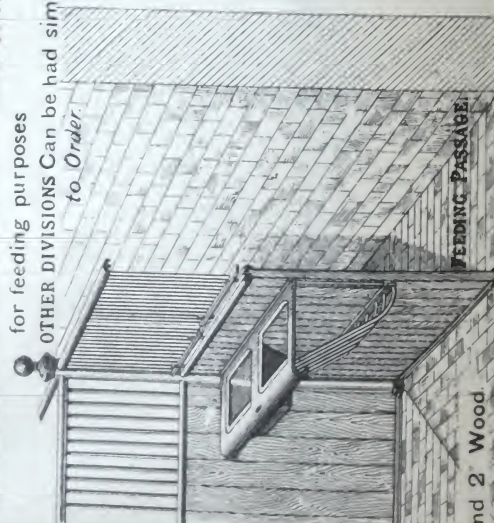
For Plan see Page 2102



EXAMPLE SHOWING SLIDING BARRIER WHEN FITTED.



EXAMPLE SHOWING SLIDING PANEL AT HEAD OF STALL
for feeding purposes
OTHER DIVISIONS Can be had similarly
to Order



- A No. 8 POST. 4 1/2" dia.
Can also be supplied 4", 5", and 6" dia.
- B No. 11 HEAD to suit.
- C No. 11 STALL DIVISION.
- D No. 47 LOOSE BOX DIVISION.
without solid Head Plate.
- E No. 47 LOOSE BOX DOOR.
- F No. 242 FLUSH SPRING BOLT.
- G No. 34 STALL MANGER SET.
- H No. 35 STALL MANGER SET.
- J No. 36 LOOSE BOX MANGER SET.
- K No. 1 GUTTER.
- L No. 5 HORSE POT.
- M No. 25 STALL DIVISION.
- N No. 11W HALF-RAMP.

Prepared for 1 1/2" Wood

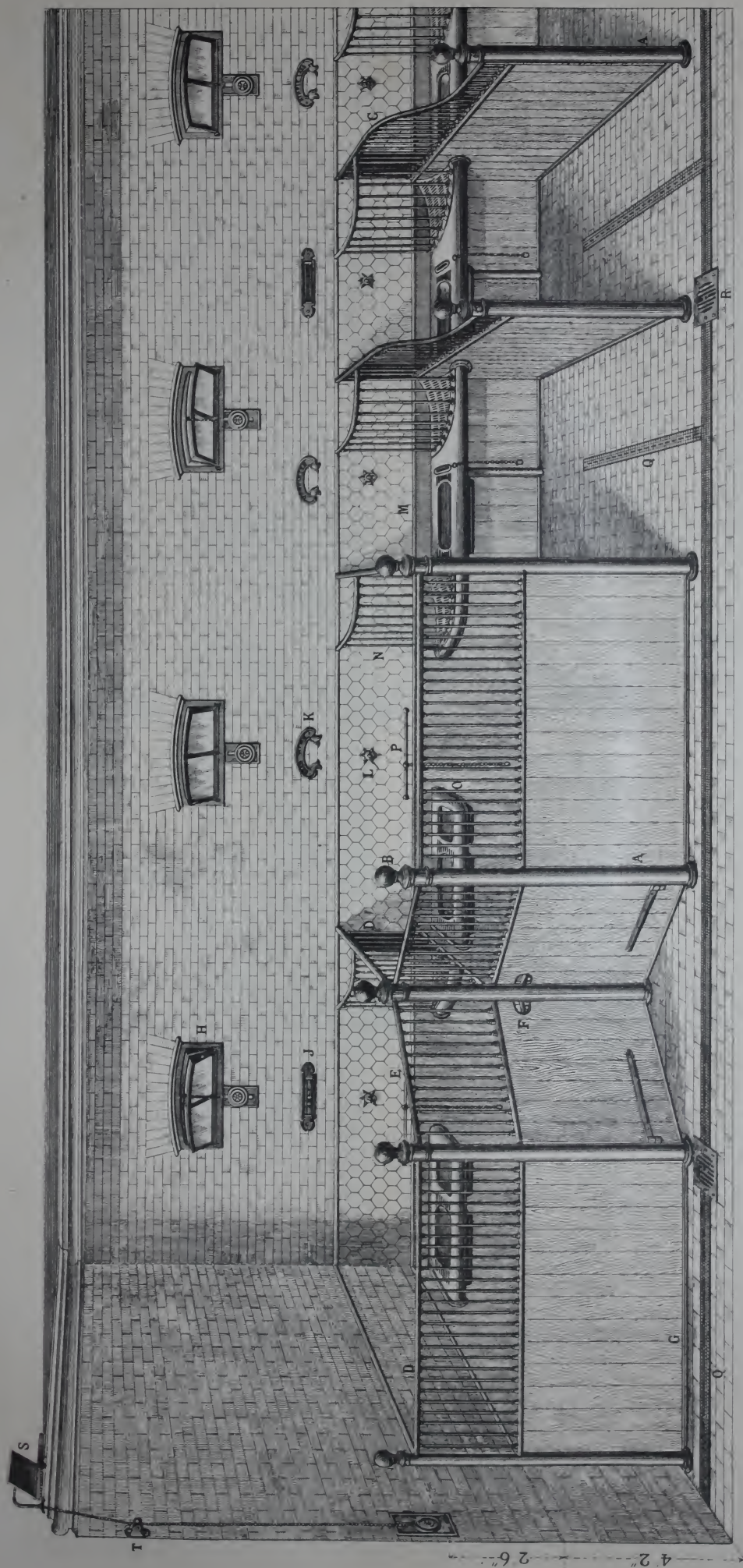
Can also be supplied to suit 1 3/4" and 2" Wood

Half Posts, Half Ramps or Top Rails, Half Mid-Rails and Half Sills
for Wall can be supplied to suit 1" Wood. Other sizes to Order

SIZES AND PROPORTIONS CAN BE VARIED

IMPROVED STABLE FITTINGS.

EXAMPLE SHOWING TWO LOOSE BOXES AND RANGE OF STALLS.
For Plan of this Stable, see Page 2107



A No. 8 POST.
B No. 11 HEAD to suit.
C No. 64 STALL DIVISION,
with Solid Head Plate.
D No. 63 LOOSE BOX DIVISION,
with and without Solid Head Plate.

E No. 63 LOOSE BOX DOOR.
F No. 242 FLUSH SPRING BOLT.
G No. 4 SILL.
H No. 126 VENTILATING WINDOW.
J No. 44 NAME PLATE.

K No. 31 NAME PLATE.
L No. 201 MANGER RING.
M No. 74 STALL MANGER SET,
with No. 301 TYING APPARATUS
N No. 6 HAY RACK.
O No. 79 LOOSE BOX MANGER SET.

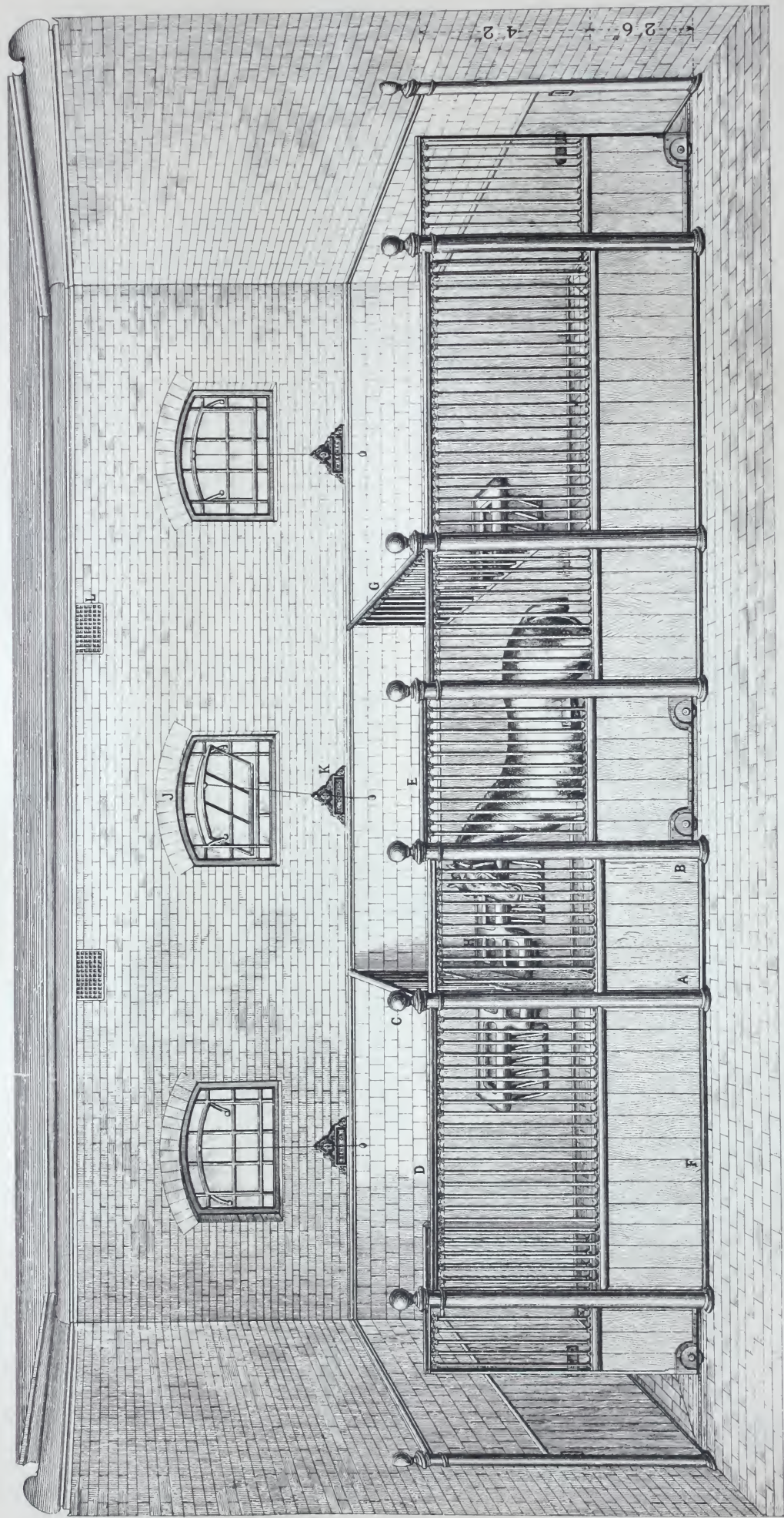
P No. 295 TYING APPARATUS.
Q No. 1 GUTTER.
R No. 5 HORSE POT.
S No. 107 VENTILATOR.
T No. 232 PULLEY OR BACK GUIDE.

Prepared for 1 1/2" Wood. Can also be supplied for 1 3/4" and 2" Wood
WOOD FOR DOORS AND DIVISIONS, TILES AND BRICK FLOORINGS, CAN BE SUPPLIED TO ORDER.

IMPROVED STABLE FITTINGS.

EXAMPLE SHOWING A RANGE OF THREE LOOSE BOXES WITH SLIDING DOORS

For Plan of this Stable, see Page 2107



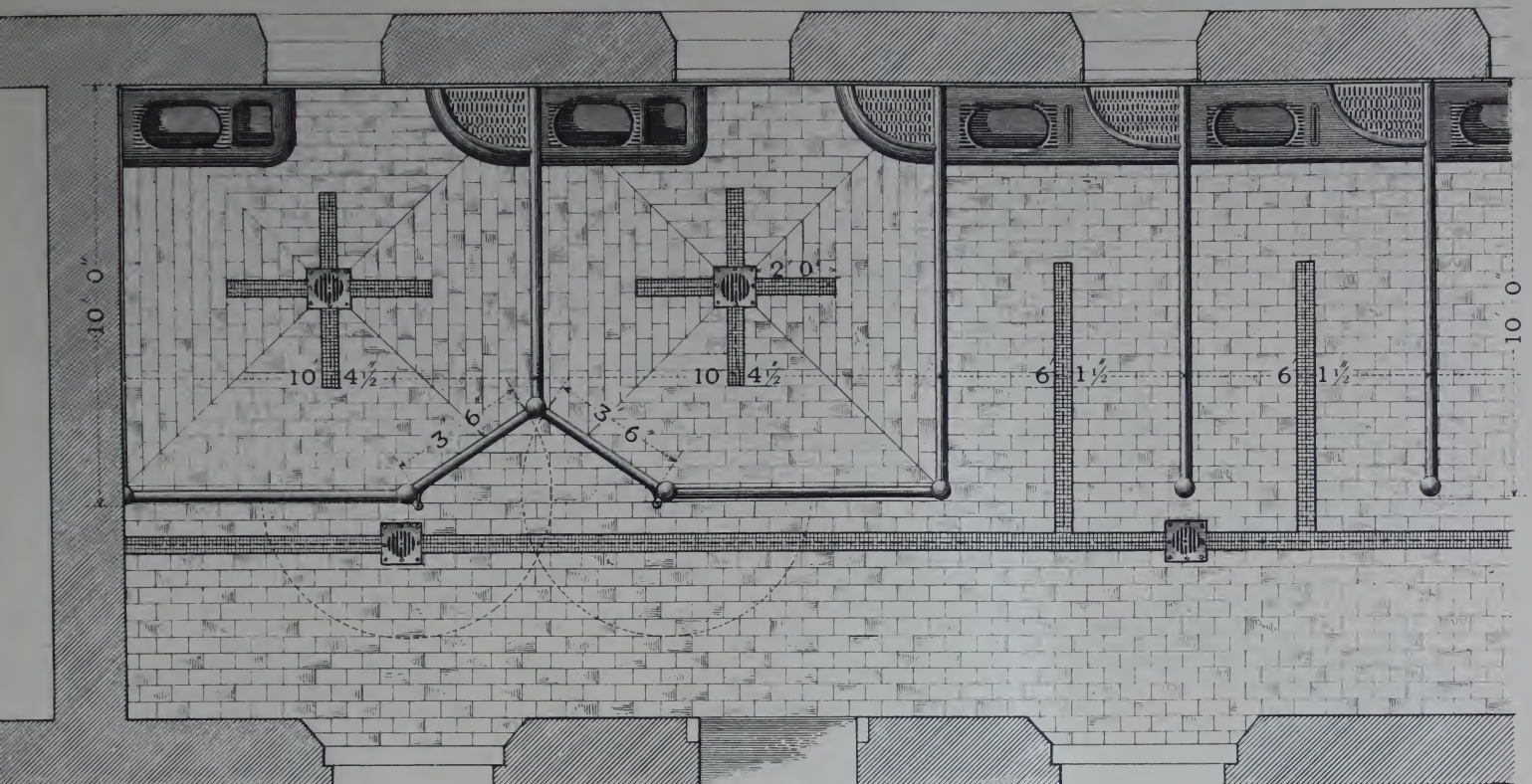
J No. 123 VENTILATING WINDOW.
K No. 36 NAME PLATE.
L No. 28 AIR BRICK.

E No. 51 LOOSE BOX SLIDING DOOR.
F No. 4 SILL.
G No. 51 LOOSE BOX DIVISION, 2' 6" high with Solid Head Plate.
H No. 123 MANGER SET.

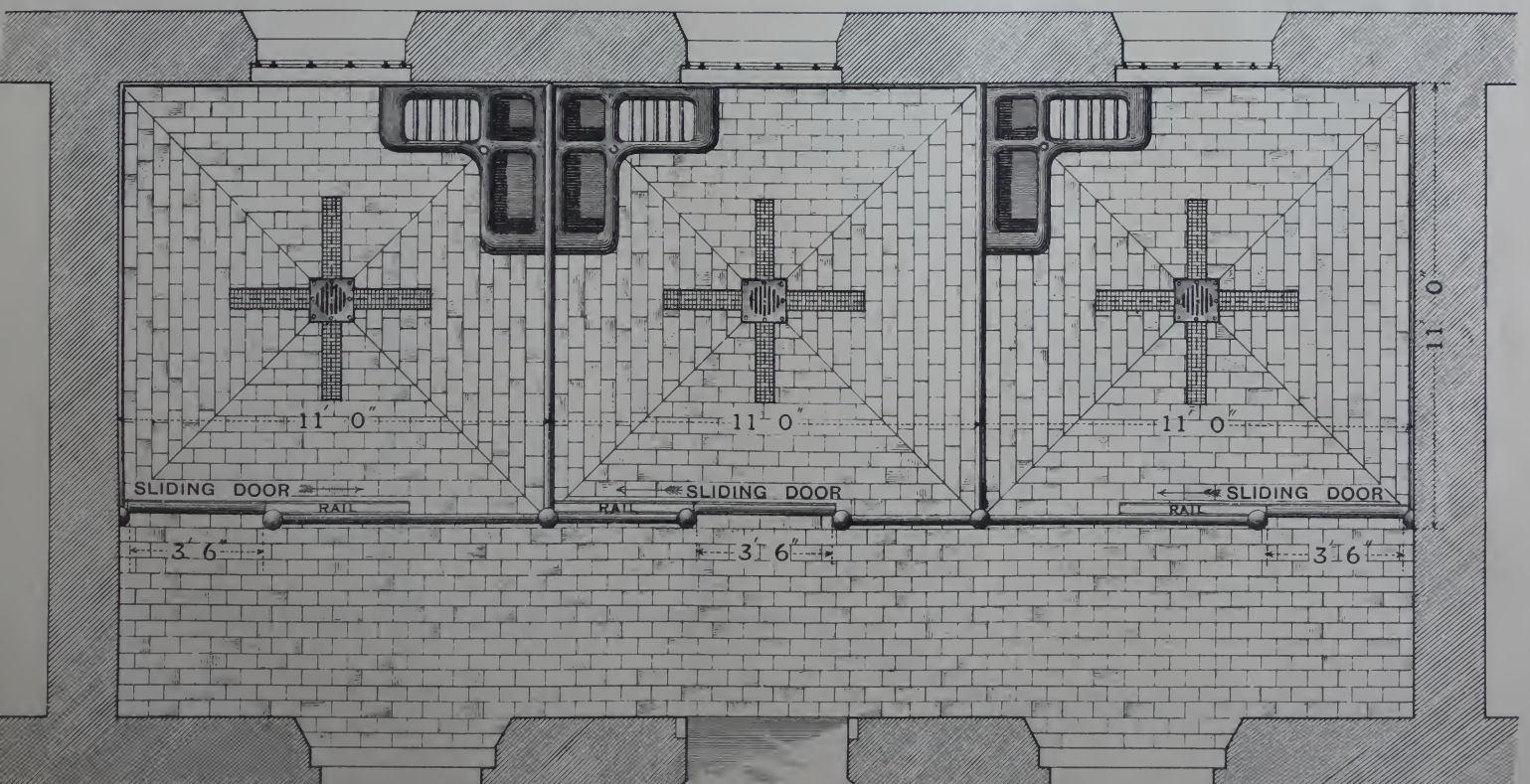
A No. 8 Post, prepared for divisions.
B No. 8 Post, prepared for Sliding Door.
C No. 11 HEAD to suit.
D No. 51 LOOSE BOX DIVISION, without Solid Head Plate.

Prepared for 1 1/2" Wood. Can also be supplied for 1 3/4" or 2" Wood
WOOD FOR DOORS AND DIVISIONS, TILES AND BRICK FLOORINGS, CAN BE SUPPLIED TO ORDER.

PLAN OF STABLE AS ILLUSTRATED ON PAGE 2105
SHOWING TWO LOOSE BOXES AND RANGE OF STALLS.



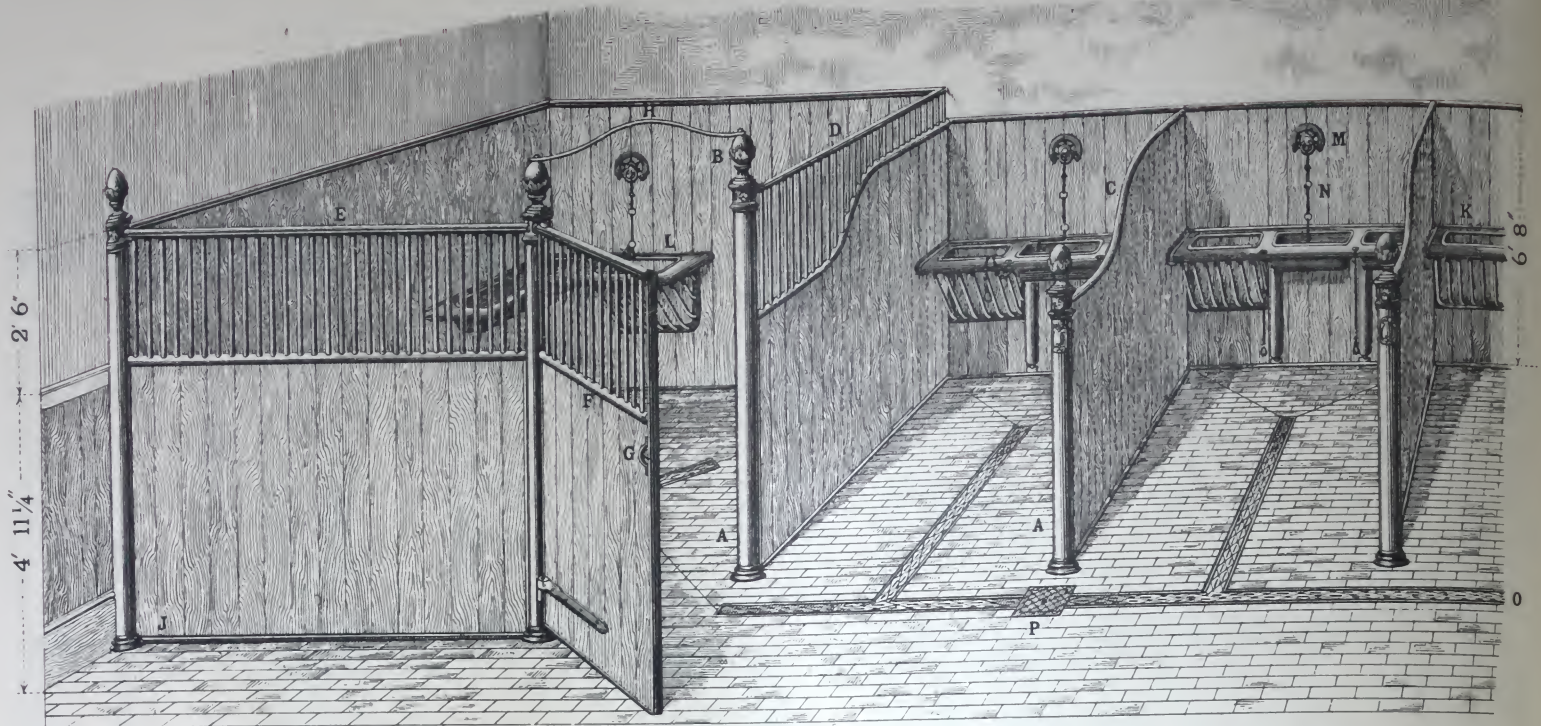
PLAN OF STABLE AS ILLUSTRATED ON PAGE 2106
SHOWING THREE LOOSE BOXES WITH SLIDING DOORS.



SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

EXAMPLE SHOWING LOOSE BOX AND RANGE OF STALLS.



A N^o. 3 POST, for Stall or Loose Box.
 B N^o. 9 HEAD to suit.
 C N^o. 11^w RAMP.
 D N^o. 66 INVERTED LOOSE BOX DIVISION.
 E N^o. 47 LOOSE BOX DIVISION,
 without Solid Head Plate.

F N^o. 47 LOOSE BOX DOOR.
 G N^o. 242 FLUSH SPRING BOLT.
 H WROUGHT-IRON ARCHED TIE OVER DOOR.
 J N^o. 6 SILL.
 K N^o. 34 STALL MANGER SET,
 with N^o. 301 TYING APPARATUS.

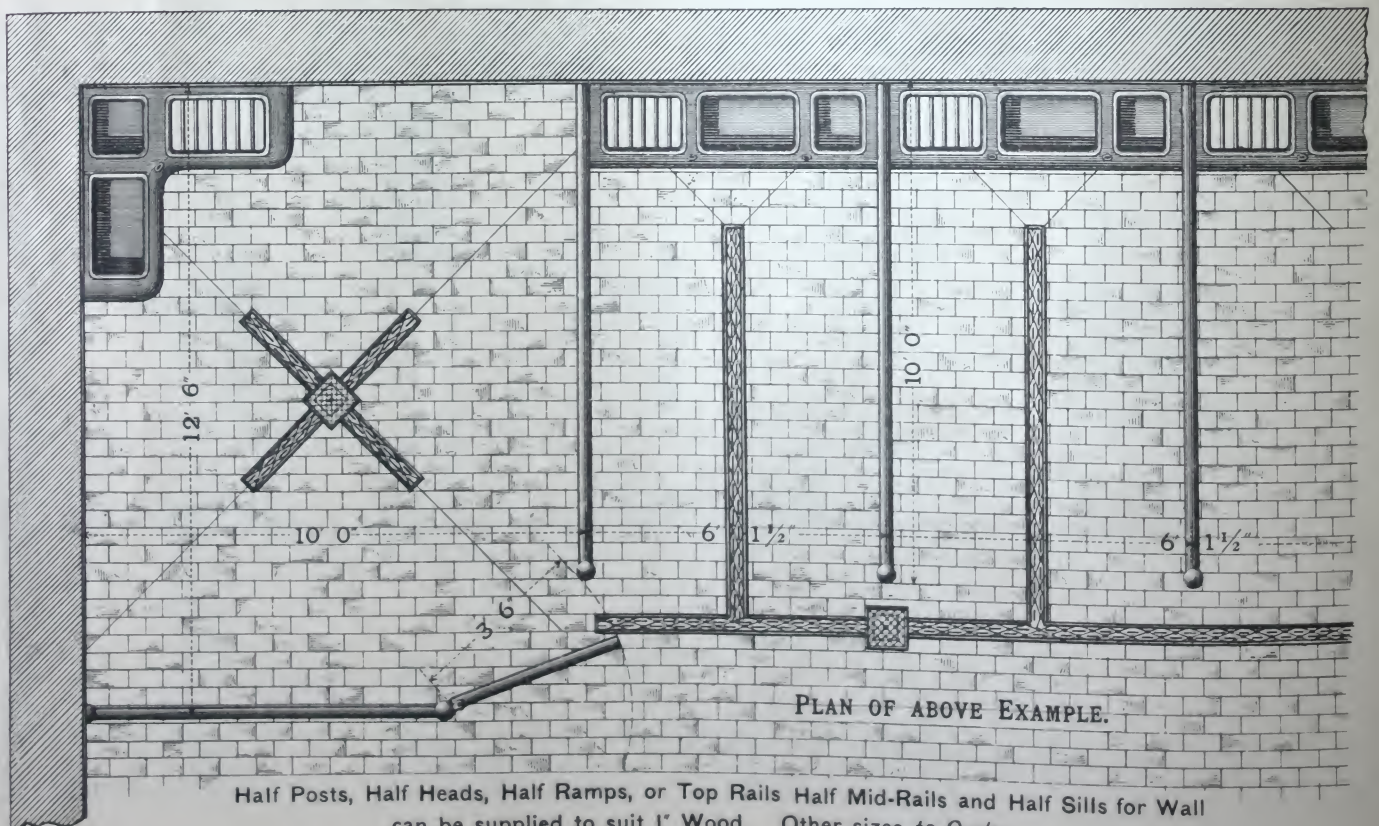
L N^o. 36 LOOSE BOX MANGER SET.
 M N^o. 42 NAME PLATE, with Star and Ring.
 N N^o. 283 RACK CHAIN.
 O N^o. 4 GUTTER.
 P N^o. 4 HORSE POT.

NOTE.—LOOSE BOX POSTS can be lowered so that TOP RAIL of No. 66 INVERTED LOOSE BOX DIVISION lines with RAMPS or TOP RAILS of STALL DIVISIONS at WALL to Order.

Prepared for 1½" Wood.

Can also be supplied for 1¾" and 2" Wood

WOOD FOR DOORS AND DIVISIONS. TILES AND BRICK FLOORING. CAN BE SUPPLIED TO ORDER.



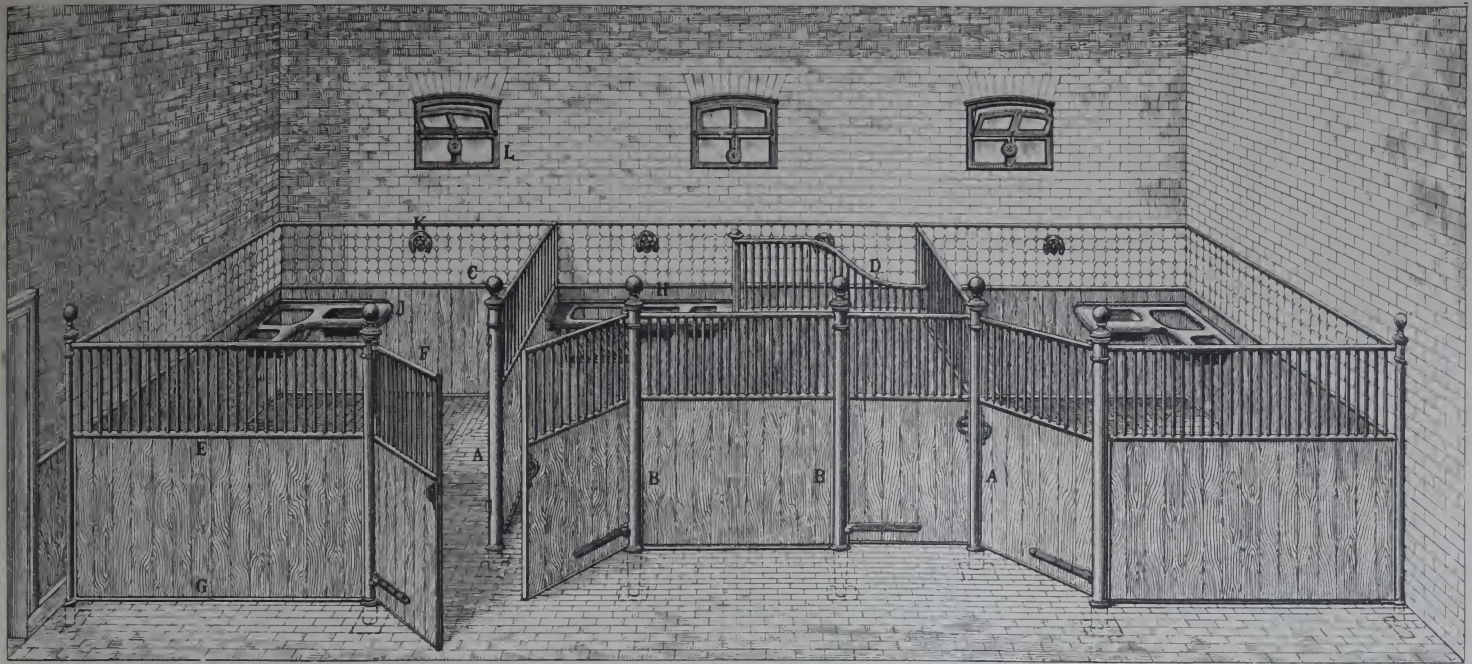
Half Posts, Half Heads, Half Ramps, or Top Rails Half Mid-Rails and Half Sills for Wall
 can be supplied to suit 1" Wood. Other sizes to Order

SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

EXAMPLE SHOWING APPLICATION OF HINGED DIVISION: CONVERTING STALLS INTO LOOSE BOX.

2109

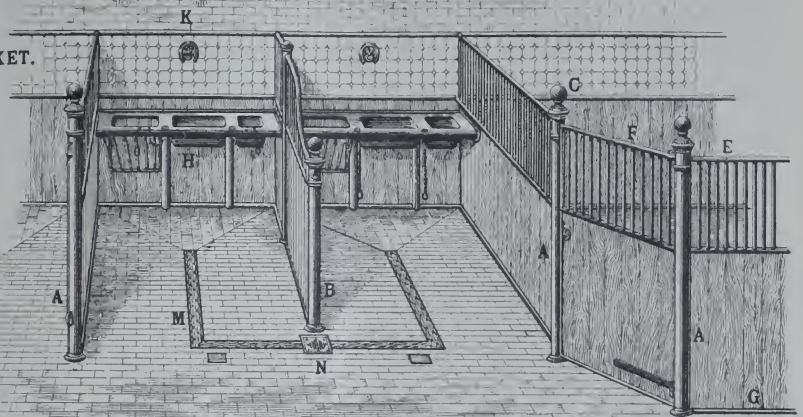


- N^o 8 POST, 4½" dia^r. to fix into ground. Can also be supplied 4", 5", and 6" dia^r.
- N^o 8^B MOVEABLE POST, 4½" dia^r. with N^o 293 STABLE POST SOCKET. Can also be supplied 4", 5", and 6" dia^r.
- N^o 11 HEAD to suit.
- N^o 11 HINGED DIVISION, fitted as N^o 38.
- N^o 47 LOOSE BOX DIVISION, without solid Head Plate.
- N^o 47 LOOSE BOX DOOR, with N^o 242 FLUSH SPRING BOLT.
- N^o 4 SILL.
- N^o 116 STALL MANGER SET, with N^o 301 TYING APPARATUS
- N^o 127 LOOSE BOX MANGER SET.
- N^o 45 NAME PLATE, with Star and Ring.
- N^o 124 VENTILATING WINDOW.
- N^o 4 STABLE GUTTER.
- N^o 5 HORSE POT.

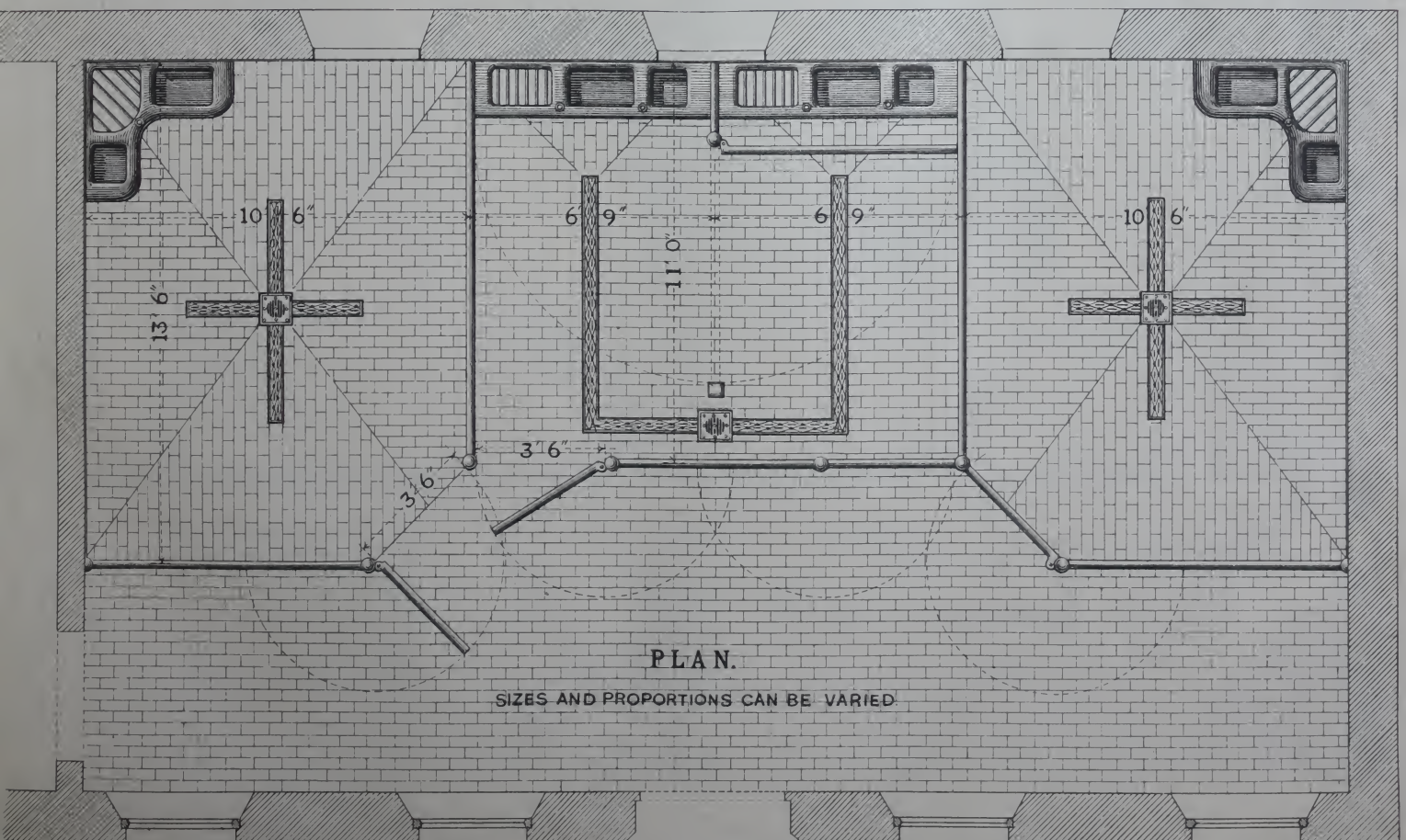
Prepared for 1½" Wood.

Can also be supplied for 1¾" and 2" Wood.

Half Posts, Half Heads, Half Ramps, or Top Rails Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes to Order.



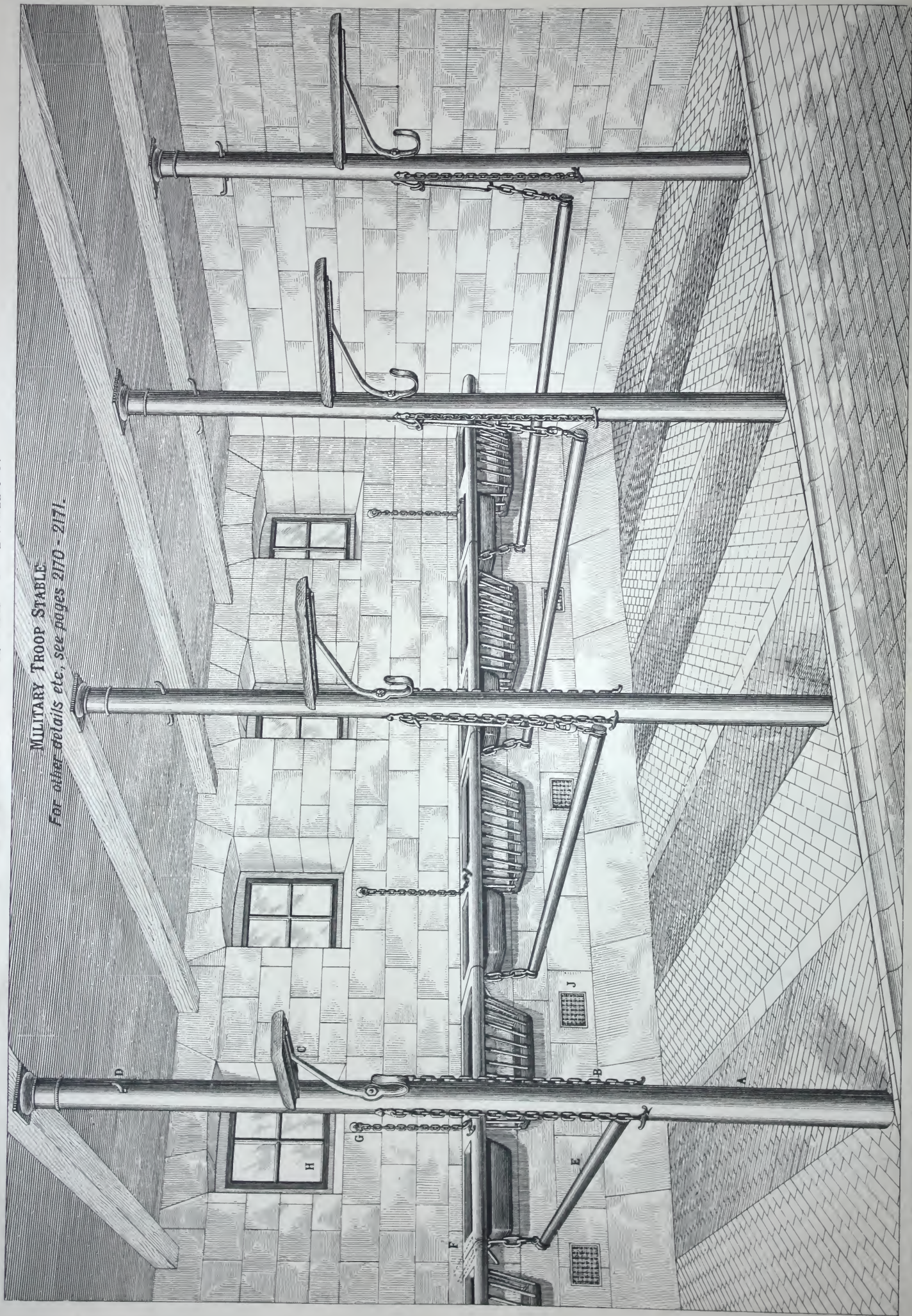
EXAMPLE SHOWING APPLICATION OF HINGED DIVISION
CONVERTING LOOSE BOX INTO STALLS



WOOD FOR DOORS AND DIVISIONS, TILES AND BRICK FLOORINGS, CAN BE SUPPLIED TO ORDER.

IMPROVED STABLE FITTINGS.

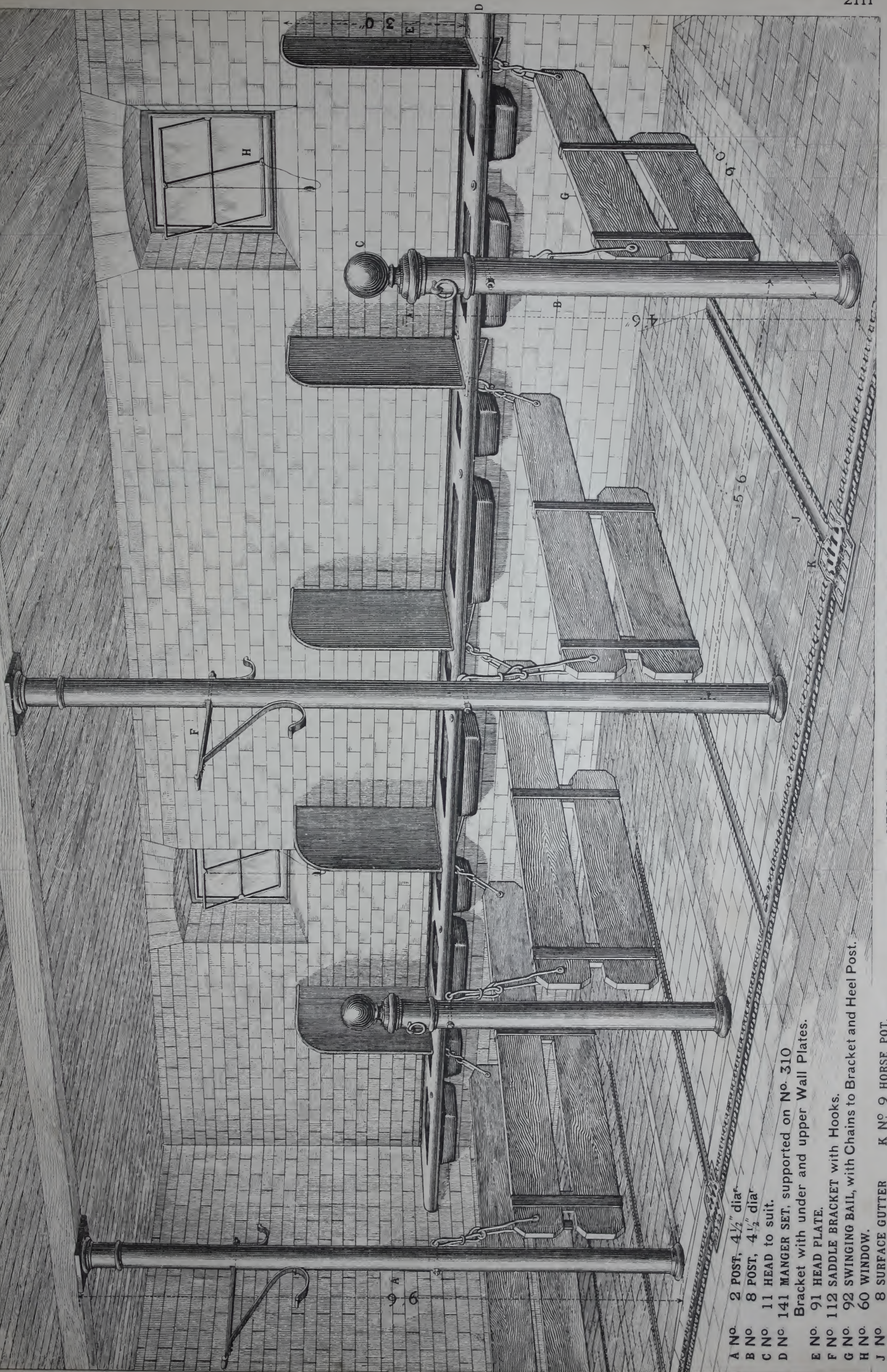
MILITARY TROOP STABLE
For other details etc, see pages 2170 - 2171.



A No 15 POST, 5" to 4" dia.
B No 306 HEEL CHAIN, with Bolt and Nut to fix to Post.
C No 116 SADDLE BRACKET, with Hooks.
Wooden Capping to Order.

D No 118 WEDGE HOOKS.
E No 58 SWINGING BAIL, with Chains
to Bracket, and Heel Post.
F No 157 MANGER SET, supported on Bracket
with Under and Upper Wall Plates.

G No 307 HEAD CHAIN,
with Bolt, Washer and Nut, for 14" Wall.
H No 51 WINDOW.
J No 90 HINGED VENTILATOR.

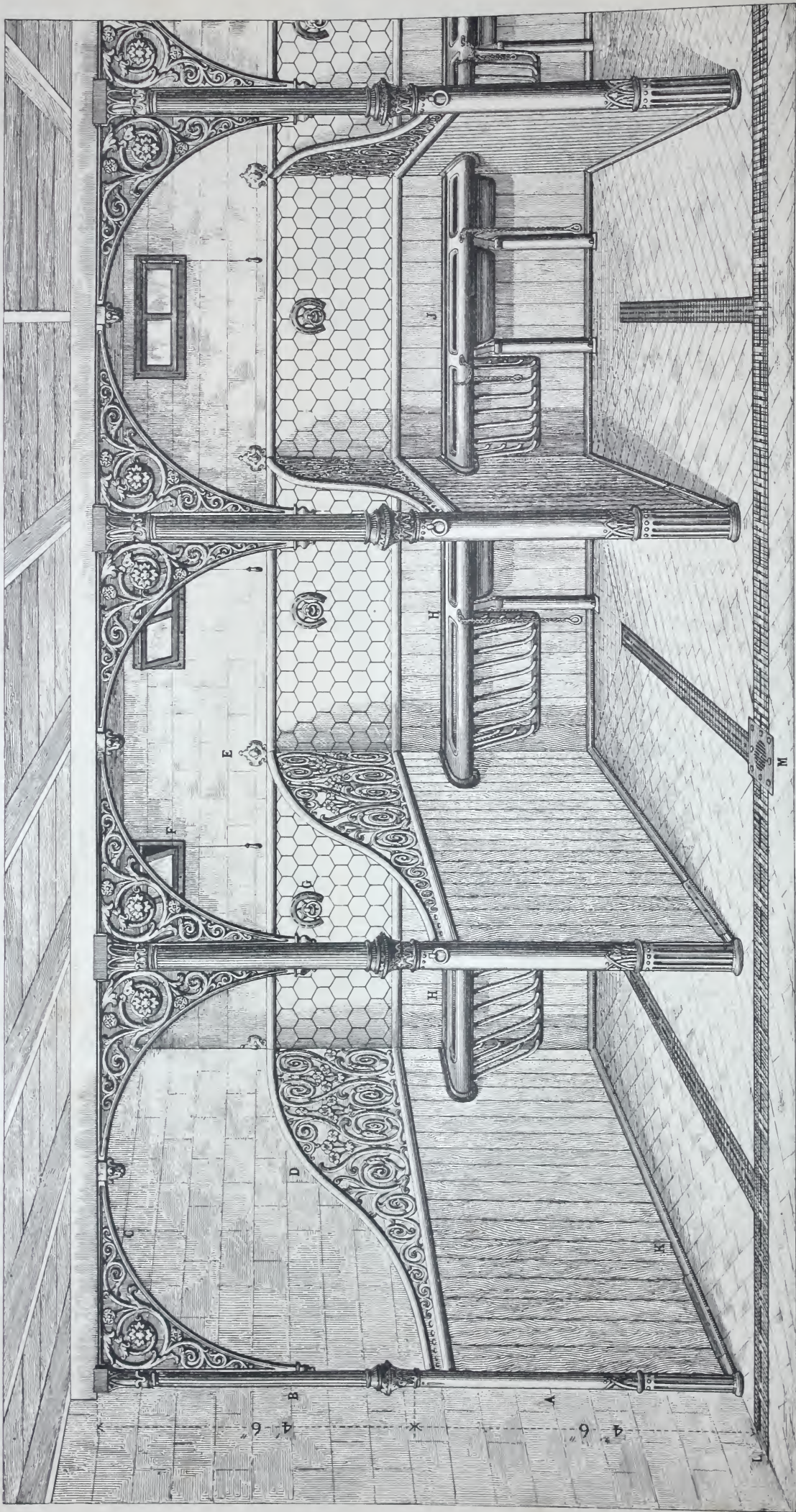


- A No. 2 POST, $4\frac{1}{2}$ " dia.
 B No. 8 POST, $4\frac{1}{2}$ " dia.
 C No. 11 HEAD to suit.
 D No. 141 MANGER SET, supported on No. 310
 Bracket with under and upper Wall Plates.
 E No. 91 HEAD PLATE.
 F No. 112 SADDLE BRACKET with Hooks.
 G No. 92 SWINGING BAIL, with Chains to Bracket and Heel Post.
 H No. 60 WINDOW.
 J No. 8 SURFACE GUTTER K No. 9 HORSE POT.

SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

EXAMPLE SHOWING RANGE OF STALLS.



A No. 10 POST, 5" dia.
B No. 30. CONTINUATION.
C No. 40 BRACKET.

D No. 5 DIVISION.
E No. 235 ORNAMENT, for Wall End of Ramp.
F No. 34 VENTILATING WINDOW.

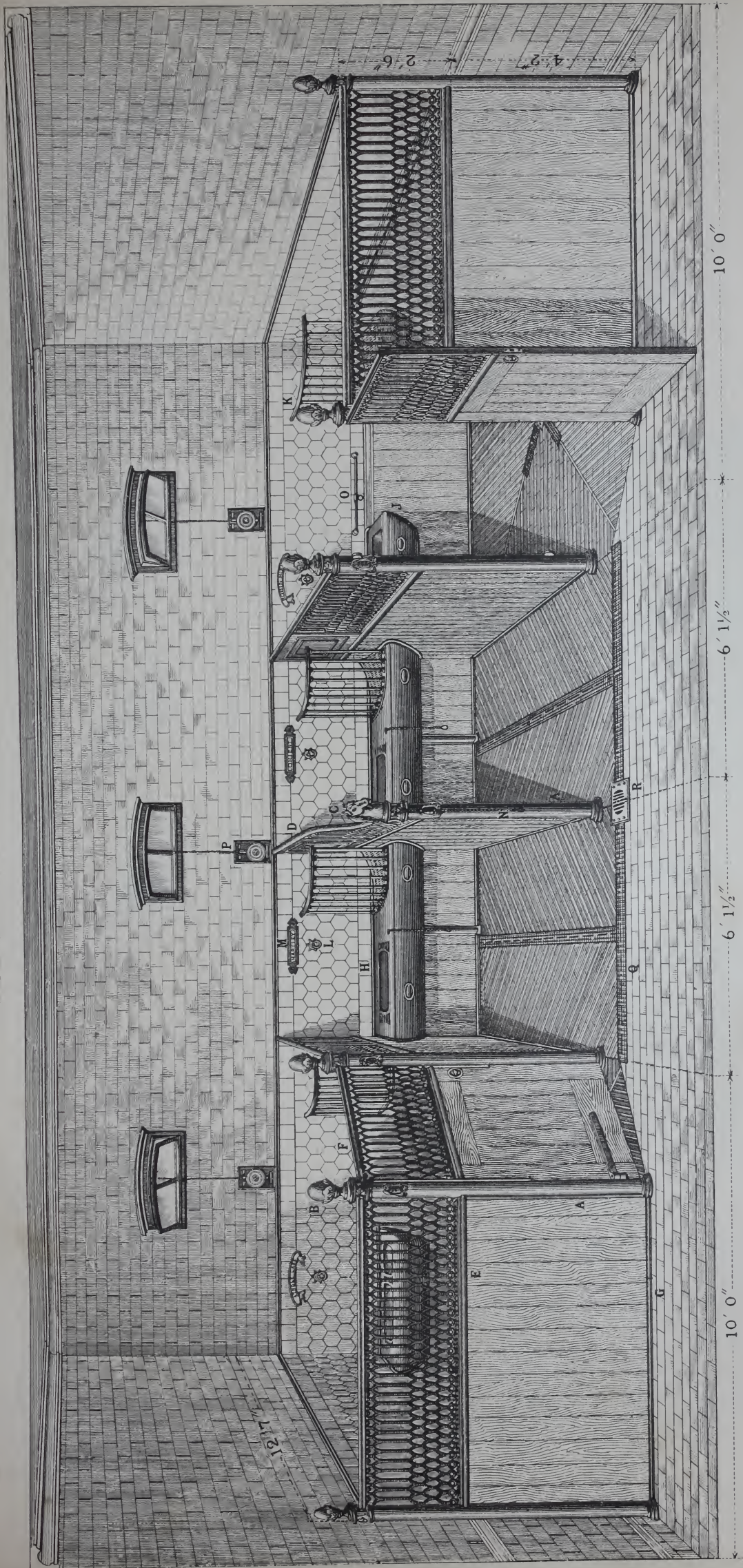
G No. 45 NAME PLATE, with Ring and Shield.
H No. 35 MANGER SET, with NO. 301 Tying Apparatus.
J No. 34 MANGER SET, with NO. 301 Tying Apparatus.

K No. 4 SILL.
L No. 1 GUTTER.
M No. 5 HORSE POT.

Prepared for 1 1/2" Wood. Can also be supplied for 1 3/4" and 2" Wood

WOOD FOR DIVISIONS, TILE AND BRICK FLOORINGS, CAN BE SUPPLIED TO ORDER.

IMPROVED STABLE FITTINGS. EXAMPLE SHOWING TWO STALLS AND TWO LOOSE BOXES.



- A No. 3 POST, 5" dia. for Stall or Loose Box.
- B No. 9 HEAD to suit.
- C No. 5 HEAD to suit.
- D No. 33 STALL DIVISION, with No. 82 Solid Head Plate.
- E No. 34 LOOSE BOX DIVISION, with No. 82 Solid Head Plate, next Stalls.

Prepared for 1 1/2" Wood.
Can also be supplied for 1 3/4" and 2" Wood.

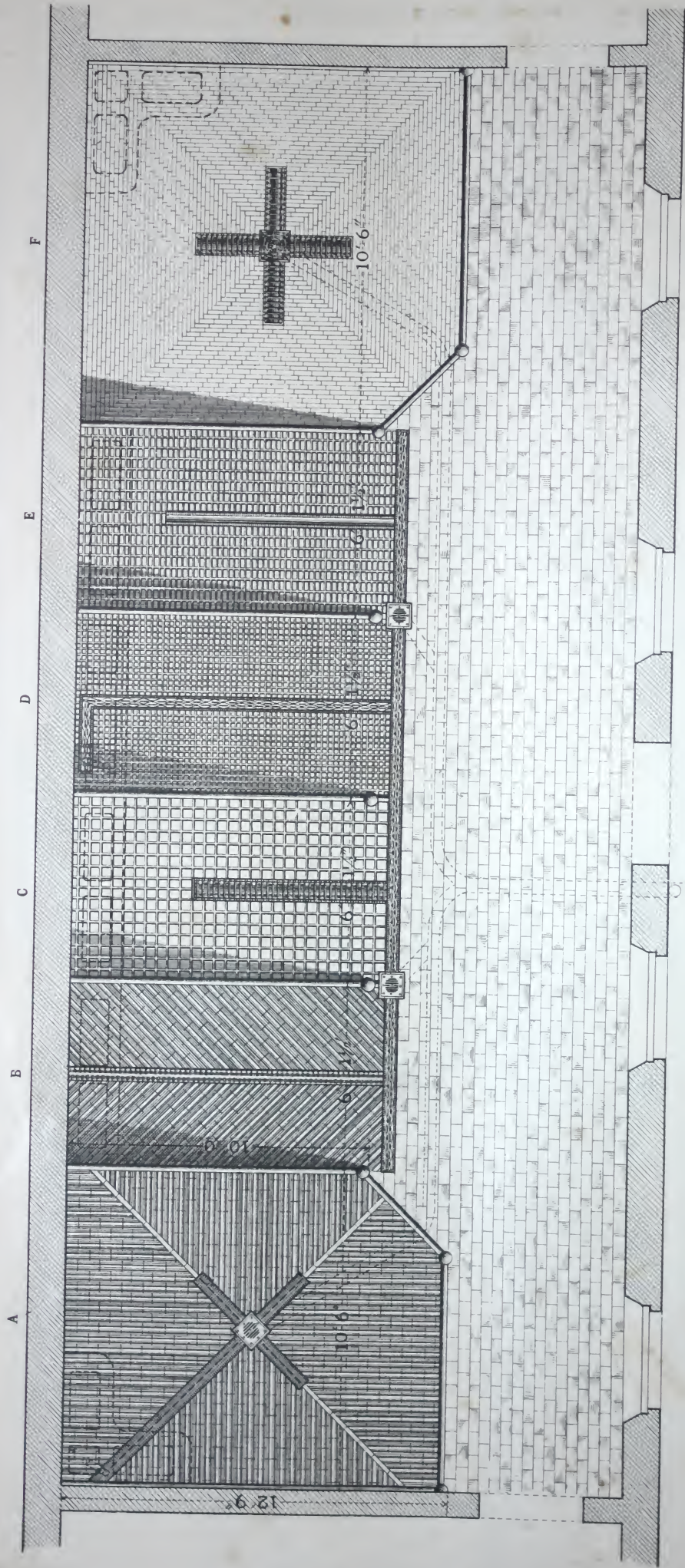
- F No. 34 LOOSE BOX DOOR, with No. 256 Mortice Latch.
- G No. 4 SILL.
- H No. 155 STALL MANGER SET, with No. 301 Tying Apparatus.
- J No. 156 LOOSE BOX MANGER SET.
- K No. 5 HAY RACK, with Large Safety Front.
- L No. 205 MANGER RING.

Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" Wood.

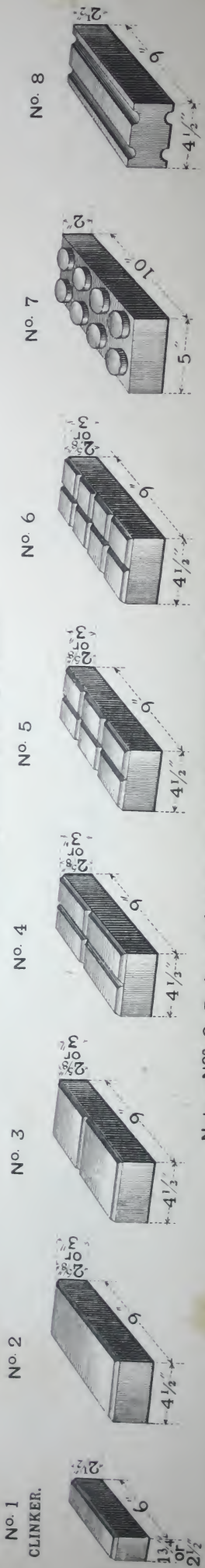
- M No. 44 NAME PLATE.
- N No. 281 PILLAR CHAIN.
- O No. 295 TYING APPARATUS.
- P No. 126 VENTILATING WINDOW.
- Q No. 1 GUTTER.
- R No. 5 HORSE POT.

WOOD FOR DOORS AND DIVISIONS, TILE AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.
SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.
SUGGESTIVE PLANS OF DRAINAGE AND BRICK FLOORINGS.



RED, BLUE, OR BUFF STABLE BRICKS.



Note. Nos. 2, 3, 4, and 6 BRICKS can also be had in GRANITIC CLAYS, 2 1/4" deep.

A LOOSE BOX, with No. 1 GUTTER, No. 5 HORSE POT, and No. 8 BRICK.

B STALL, with No. 9 GUTTER and No. 8 BRICK.

C STALL, with No. 7 GUTTER and No. 3 BRICK.

D STALL, with No. 4 GUTTER and No. 6 BRICK.

E STALL, with No. 8 GUTTER and No. 4 BRICK.

F LOOSE BOX, with No. 7 GUTTER, No. 7 HORSE POT, and No. 1 CLINKER.

INDEX TO RAMP AND TOP RAILS,
FOR WOODEN DIVISIONS.

2119

*Those marked * are Ramp Rails.*

NO.	PAGE.	NO.	PAGE.	NO.	PAGE.	NO.	PAGE.
*1 ^w	2120	*9 ^w	2123	21 ^A	2126	*29 ^w	2127
*2 ^w	2121	*10 ^w	2124	21 ^w	2120	*30 ^w	"
*4 ^w	2122	*11 ^w	"	22 ^w	2121		
*6 ^w	"	18 ^w	2126	27 ^w	2125		
*7 ^w	2123	19 ^w	2125	28 ^w	2171		

No. 55^w CENTRE RAIL,
FOR WOODEN DIVISIONS.

PAGES 2160-2161.

INDEX TO SILLS.

NO.	PAGE.	NO.	PAGE.	NO.	PAGE.
1	2122	4	2128	7	2122
2	2121	5	2125	8	2125
3	2130	6	2120	9	2171

INDEX TO STALL AND LOOSE BOX DIVISIONS.

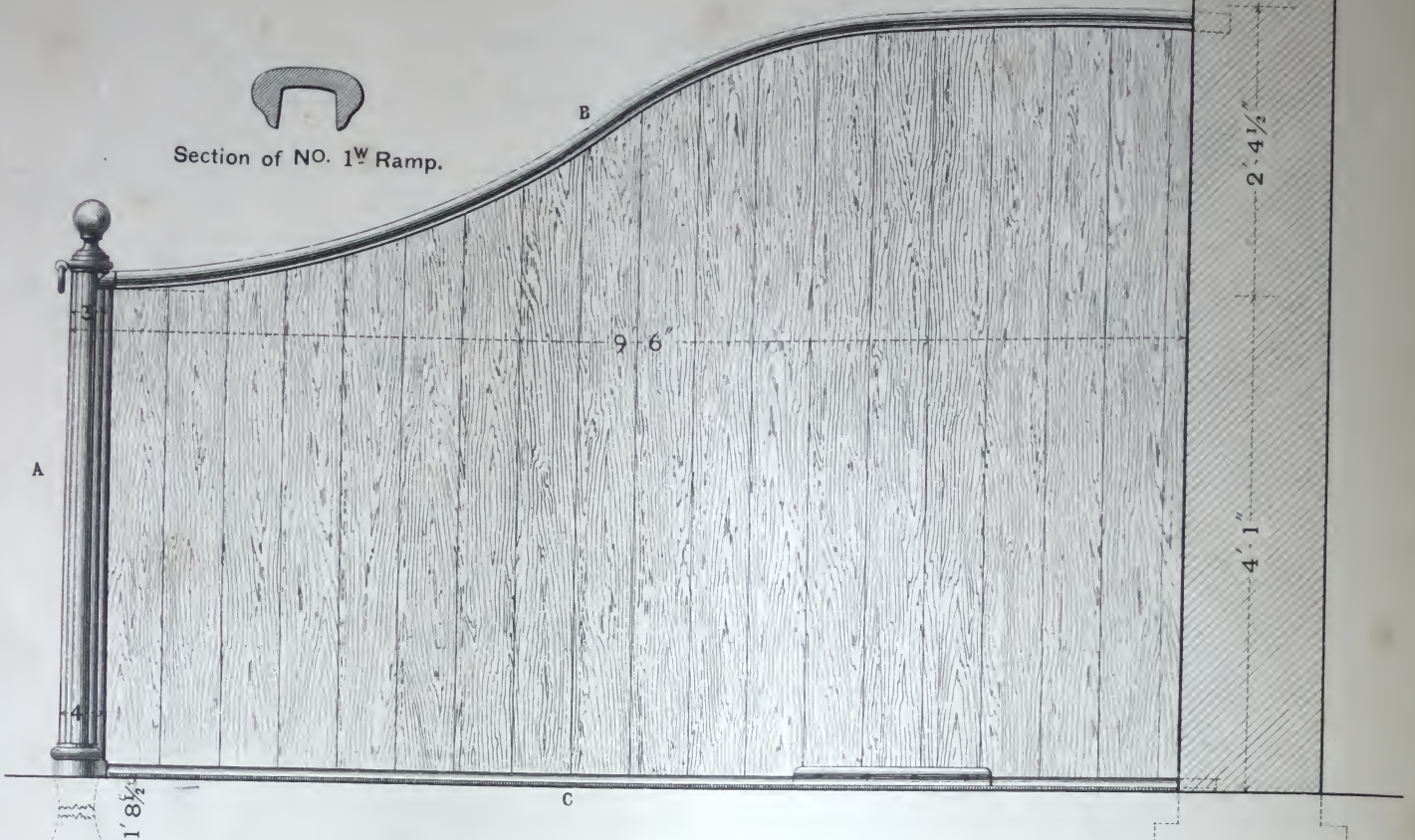
*Those marked * are Stall Divisions.*

NO.	PAGE.	NO.	PAGE.	NO.	PAGE.	NO.	PAGE.
2	2133	*20	2145	43	2148	*67	2131
3	2128	*23	2152	44	"	*75	2154
*4	"	*25	2153	47	2143	78	"
*5	2129	*31	2135	49	2153	*79	2149
*6	2130	32	"	51	2152	82	"
*8	"	*33	2136	*54	2144	*83	2151
9	2131	34	"	*58 BAIL	2170	86	"
*10	2144	*35	2137	*59	2138	*87	2150
*11	2143	36	"	60	"	90	"
*12	2145	37	2159	61	2129	91 HEAD PLATE 2111	
14	2132	38	"	*62	2153	*92 BAIL	"
*15	"	*40	2133	63	"		
*16	2134	*41	2146	65	2147		
17	"	42	"	66	"		

IMPROVED STABLE FITTINGS.



Section of NO. 1^W Ramp.



- A NO. 1 POST, with Head cast on.
- B NO. 1^W RAMP.
- C NO. 6 SILL.
- D NO. 2 POST, 4 1/2" Dia. Can also be supplied 4", 5", 5 1/2", and 6" Dia. and any Height up to 12' 0" to Order
- E NO. 21^W TOP RAIL.

Prepared for 1 1/2" Wood.

Can also be supplied for 1 3/4" and 2" Wood.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



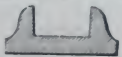
Section of NO. 21^W Top Rail.

E

10' 0"

12' 0"

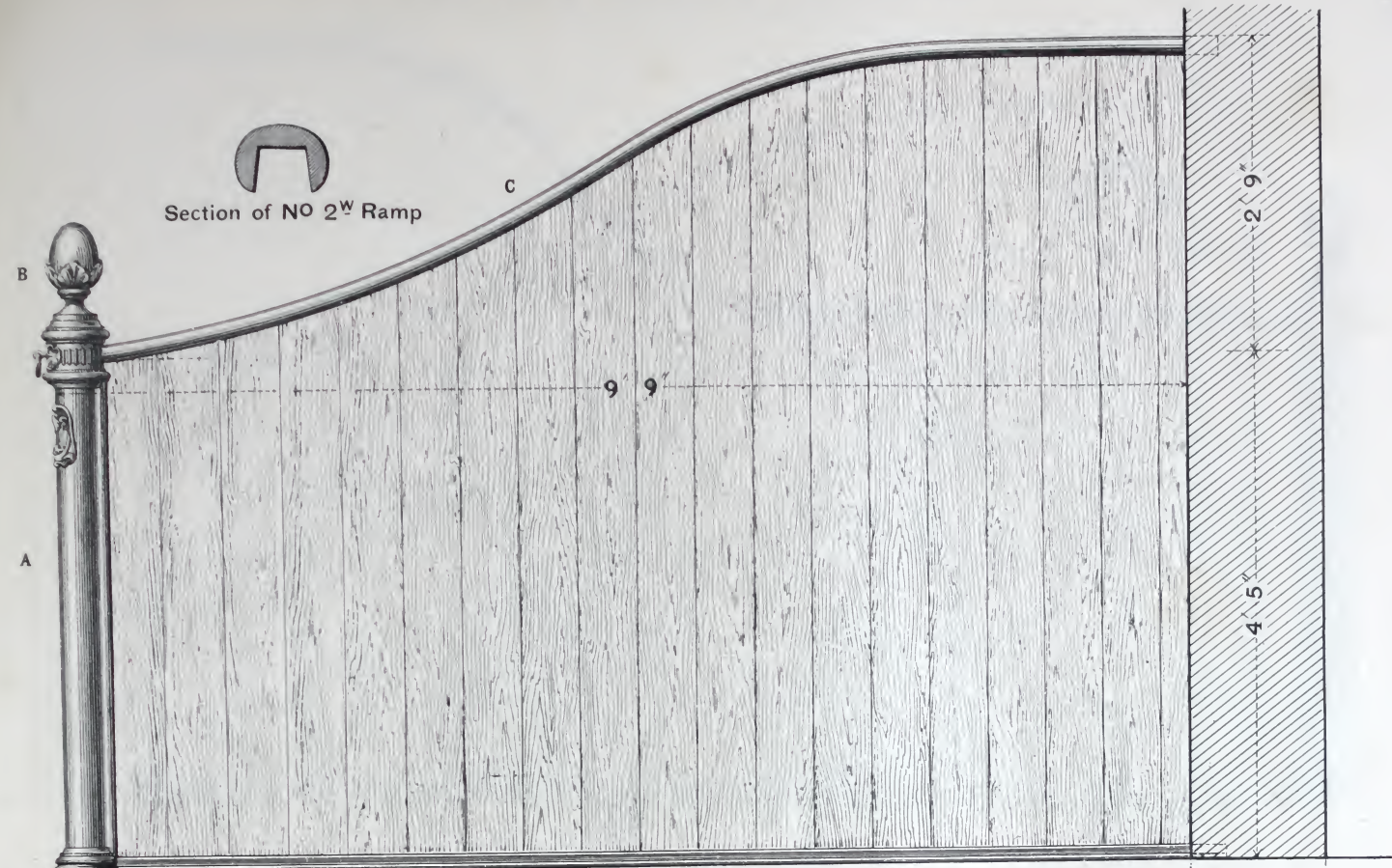
6' 5 1/2"



Section of NO. 6 Sill.

Half Posts, Half Heads, Half Ramps or Top Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes to Order.

SIZES AND PROPORTIONS CAN BE VARIED.



Section of NO 2^w Ramp

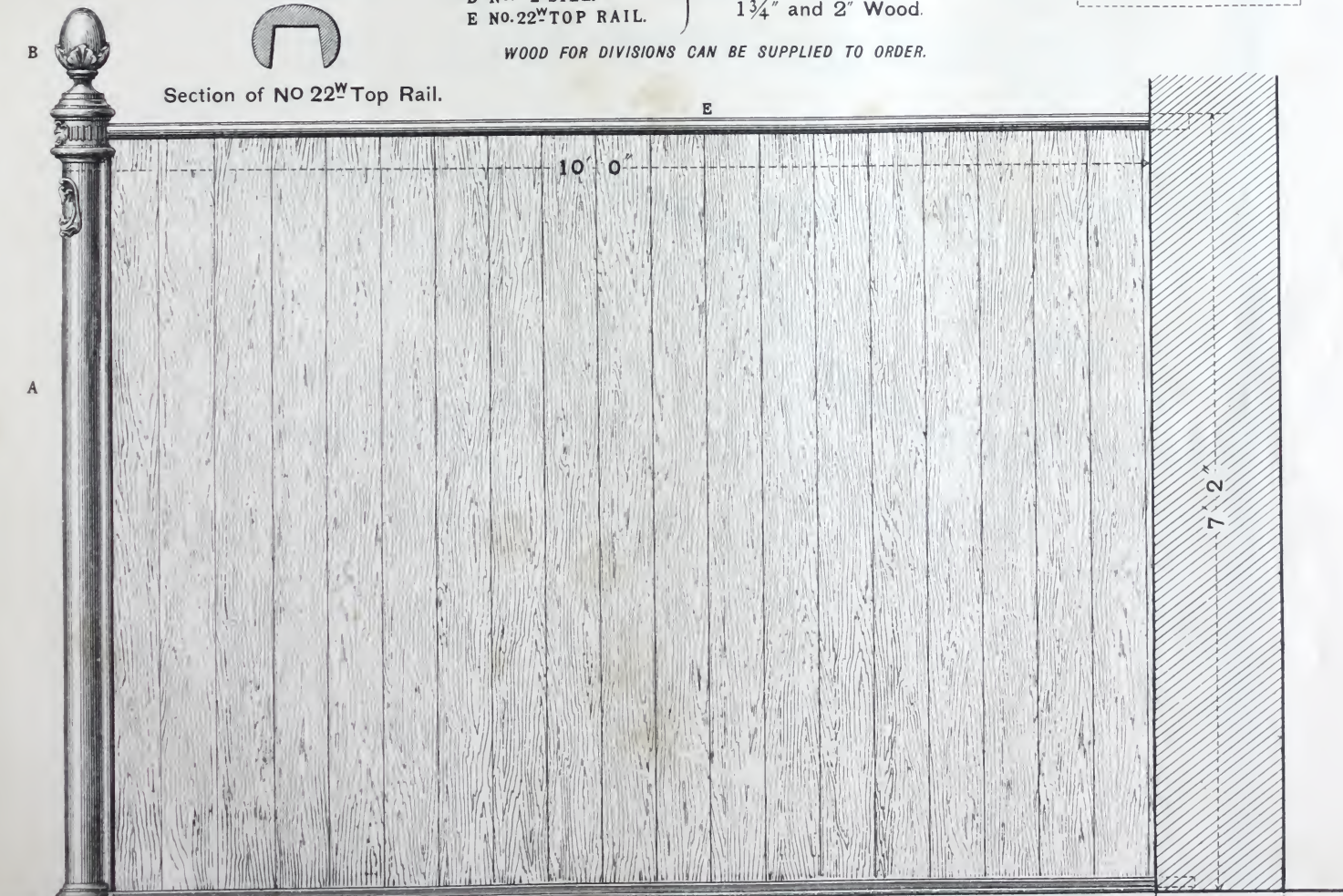
D

- A NO. 3 POST, 5" Dia^r.
- B, NO. 9 HEAD.
- C NO. 2^w RAMP.
- D NO. 2 SILL.
- E NO. 22^w TOP RAIL.

Prepared for 1½" Wood.

Can also be supplied for 1¾" and 2" Wood.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



Section of NO 22^w Top Rail.

E

10' 0"

7' 2"

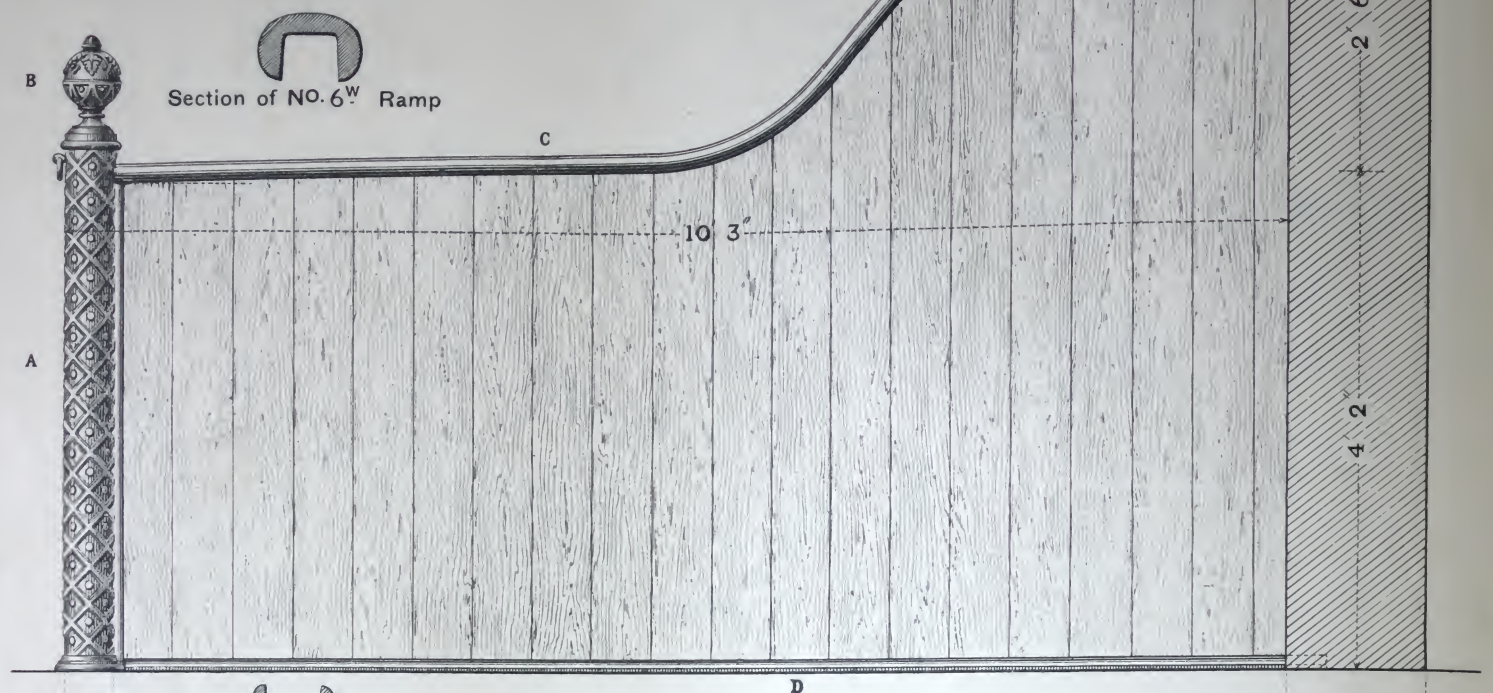
Section of NO 2 Sill.

D

Half Posts, Half Heads, Half Ramps or Top Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes to Order.
SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

2122



Section of NO. 6^W Ramp

Section of NO. 1 Sill.

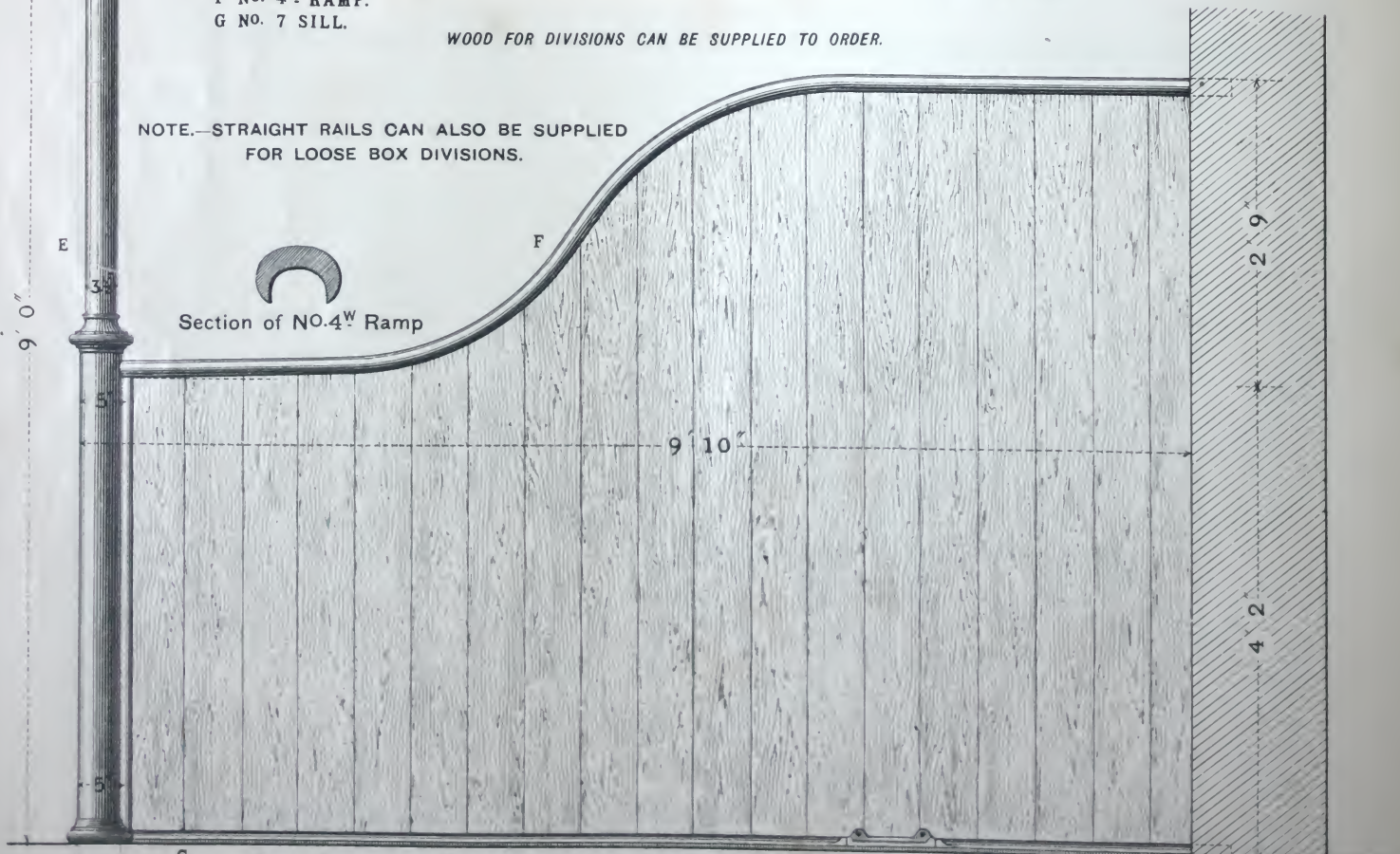
- A NO. 12 POST, 5 1/4" Diam.
- B NO. 17 HEAD.
- C NO. 6^W RAMP.
- D NO. 1 SILL.
- E NO. 14 POST, 5" to 3 1/2" Diam. Can also be supplied 4 1/2" to 3 1/2" and 6" to 4 1/2" Diam. to Order.
- F NO. 4^W RAMP.
- G NO. 7 SILL.

Prepared for 1 1/2" Wood.

Can also be supplied for 1 3/4" and 2" Wood

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.

NOTE.—STRAIGHT RAILS CAN ALSO BE SUPPLIED FOR LOOSE BOX DIVISIONS.

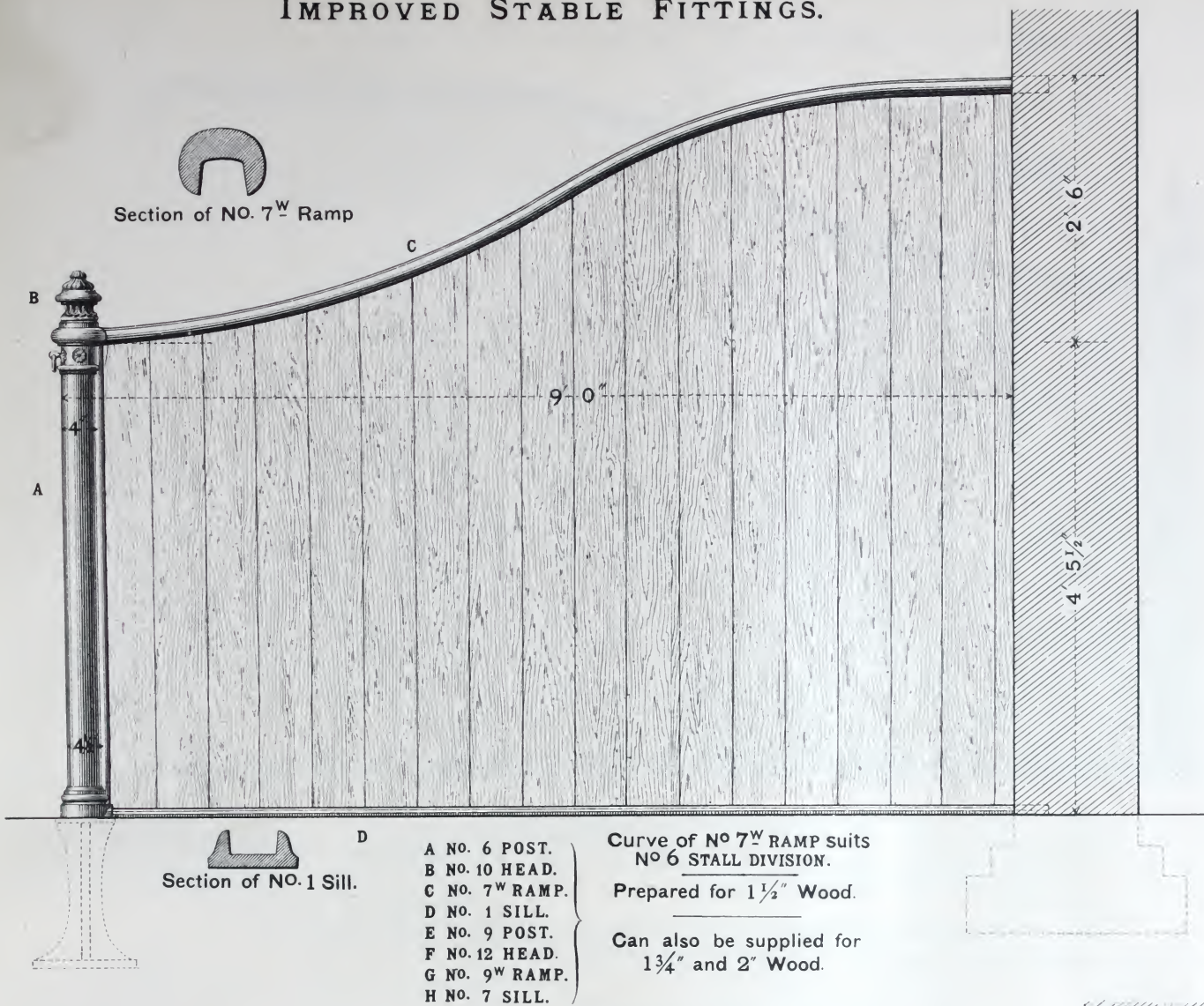


Section of NO. 4^W Ramp

Section of NO. 7 Sill.

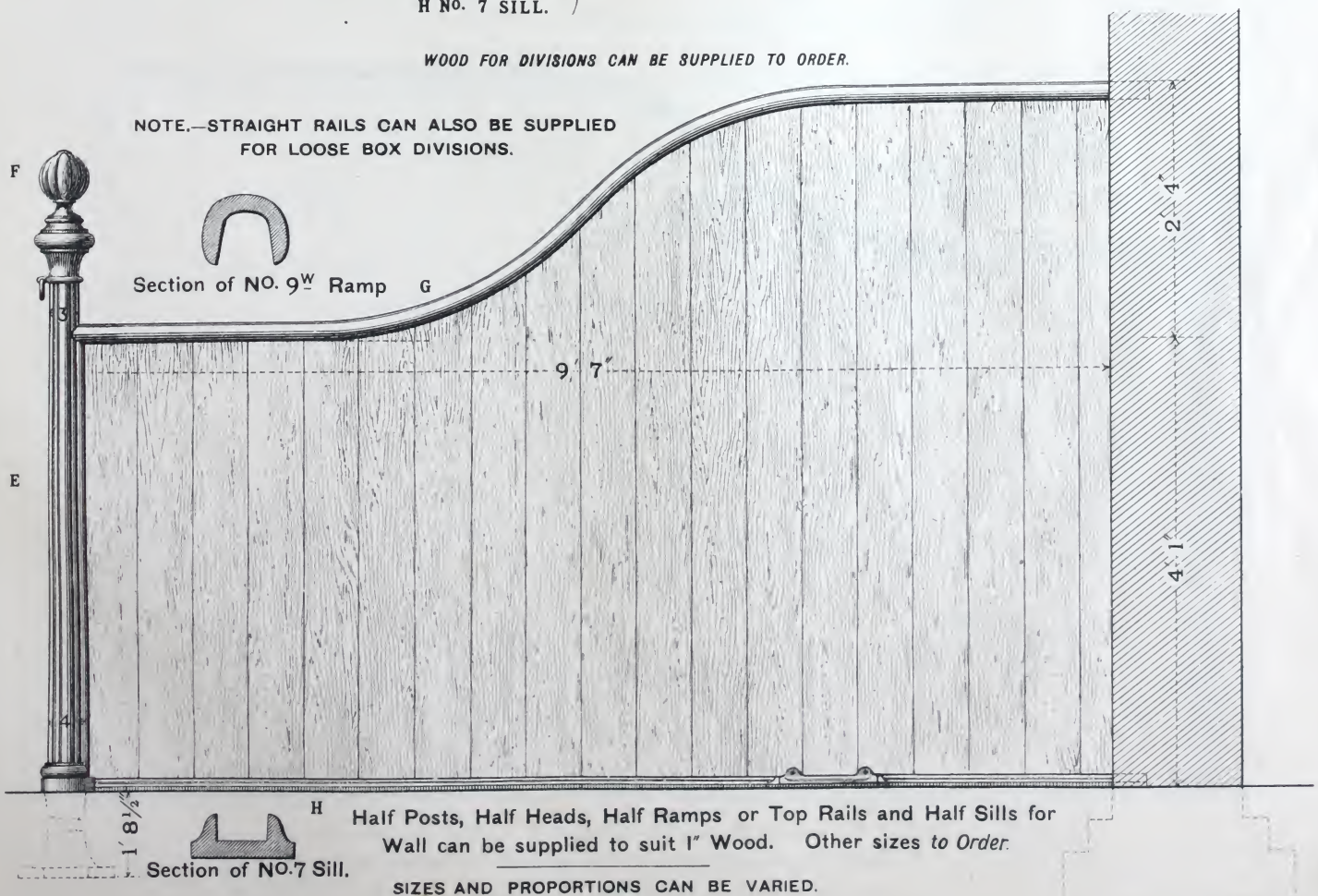
Half Posts, Half Heads, Half Ramps or Top Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes to Order

SIZES AND PROPORTIONS CAN BE VARIED.

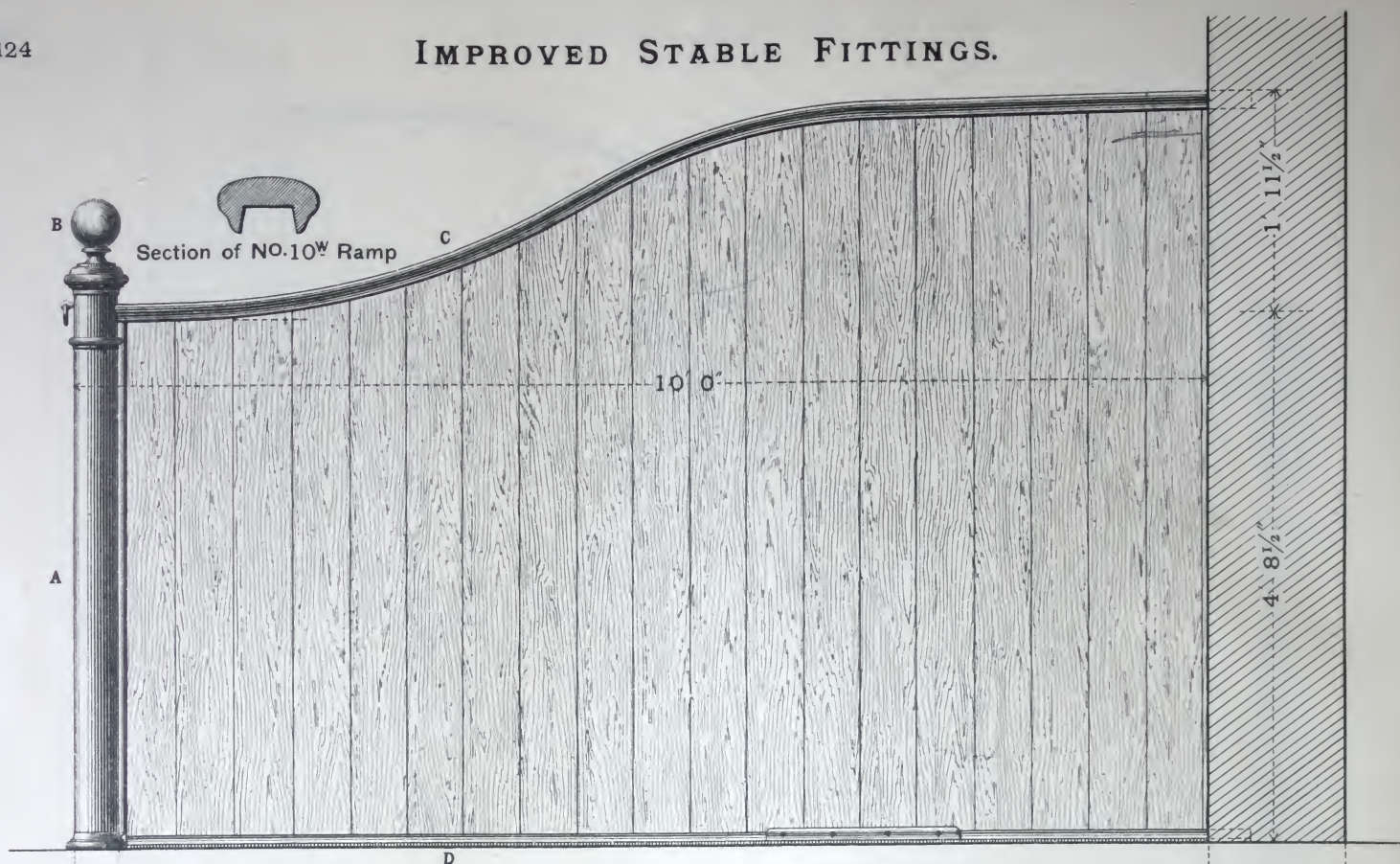


WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.

NOTE.—STRAIGHT RAILS CAN ALSO BE SUPPLIED
FOR LOOSE BOX DIVISIONS.



IMPROVED STABLE FITTINGS.



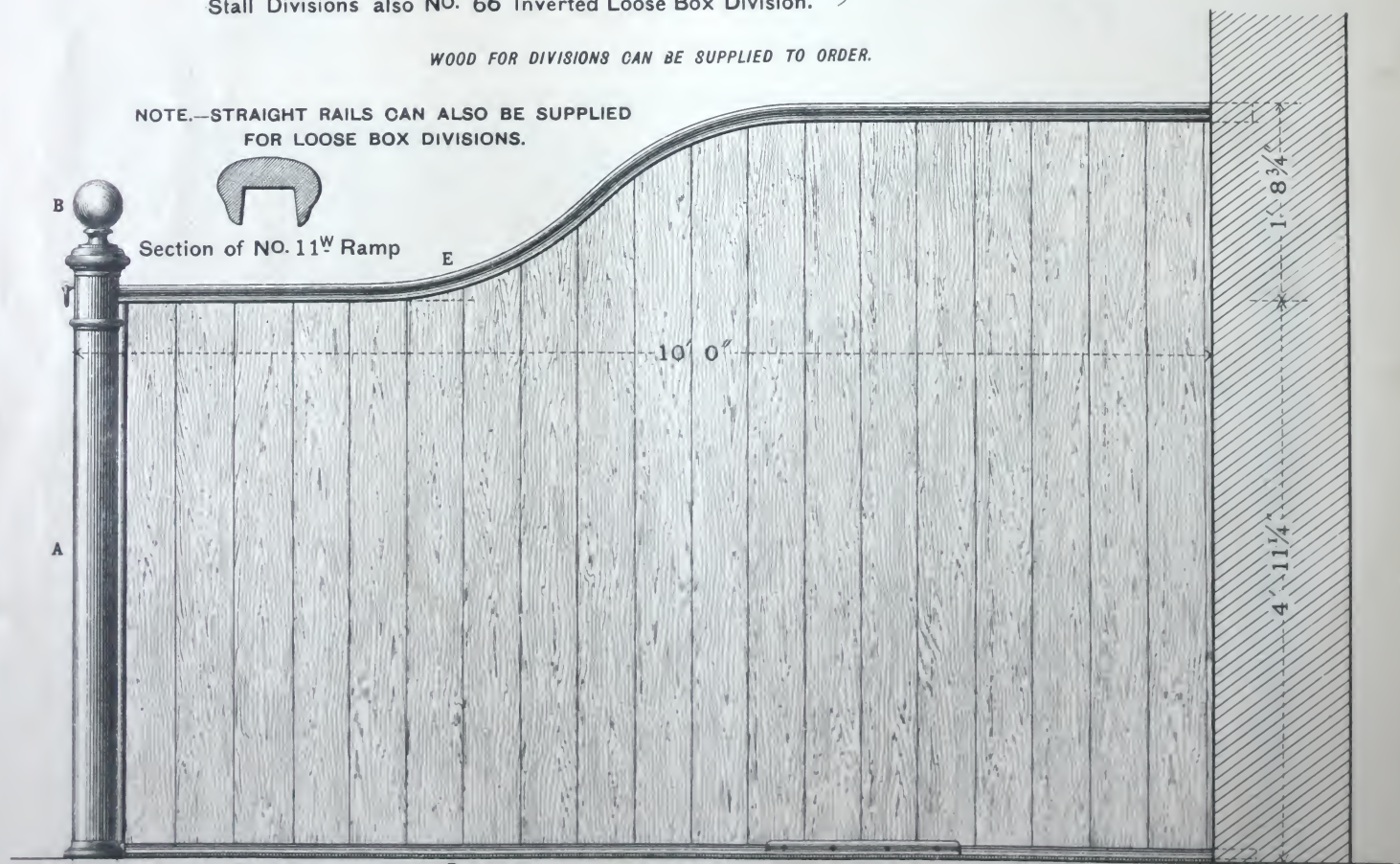
- A NO. 8 POST, 4 1/2" Dia. Can also be supplied 4", 5", and 6" Dia.
 B NO. 11 HEAD. to suit
 C NO. 10 W RAMP, Curve suits NOS 10 and 87 Stall Divisions
 also NO. 65 Inverted Loose Box Division.
 D NO. 6 SILL.
 E NO. 11 W RAMP, Curve suits NOS. 11, 23, 25, 41, 62, and 79,
 Stall Divisions also NO. 66 Inverted Loose Box Division.

Prepared for 1 1/2" Wood

Can also be supplied for
 1 3/4" and 2" Wood.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



NOTE.—STRAIGHT RAILS CAN ALSO BE SUPPLIED
 FOR LOOSE BOX DIVISIONS.



Section of NO. 6 Sill.

Half Posts, Half Heads, Half Ramps or Top Rails, and Half Sills for
 Wall can be supplied to suit 1" Wood. Other sizes to Order.

SIZES AND PROPORTIONS CAN BE VARIED.

Sections of NO. 19^W Ramp.
 Heavy $\frac{1}{2}$ " thick. Light $\frac{1}{4}$ " thick.
 
 for $1\frac{1}{2}$ " and 2" Wood. for $1\frac{1}{2}$ " Wood.

Other Curves to Order.



- A NO. 8 POST, $4\frac{1}{2}$ " Dia^r with Webs on Flange. Can also be supplied 4", 5", and 6" Dia^r.
- B NO. 11 HEAD. to suit. [to Order]
- C NO. 19^W RAMP. (Wrot Iron)
- D NO. 8 SILL. (Wrot Iron)
- E NO. 294 SELF-FIXING BASE.
- F NO. 25 HEAD. With Bracket.
- G NO. 11 POST.
- H NO. 27^W RAMP. (Cast Iron)
- J NO. 5 SILL. " "

Prepared for $1\frac{1}{2}$ " Wood.

Can also be supplied for 2" Wood

Prepared for $1\frac{1}{2}$ " Wood.

Can also be supplied for $1\frac{3}{4}$ " and 2" Wood.

Section of NO. 8 Sill.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



Section of NO. 27^W Ramp H

Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" Wood.

Other sizes to Order.

Section of NO. 5 Sill.

SIZES AND PROPORTIONS CAN BE VARIED.

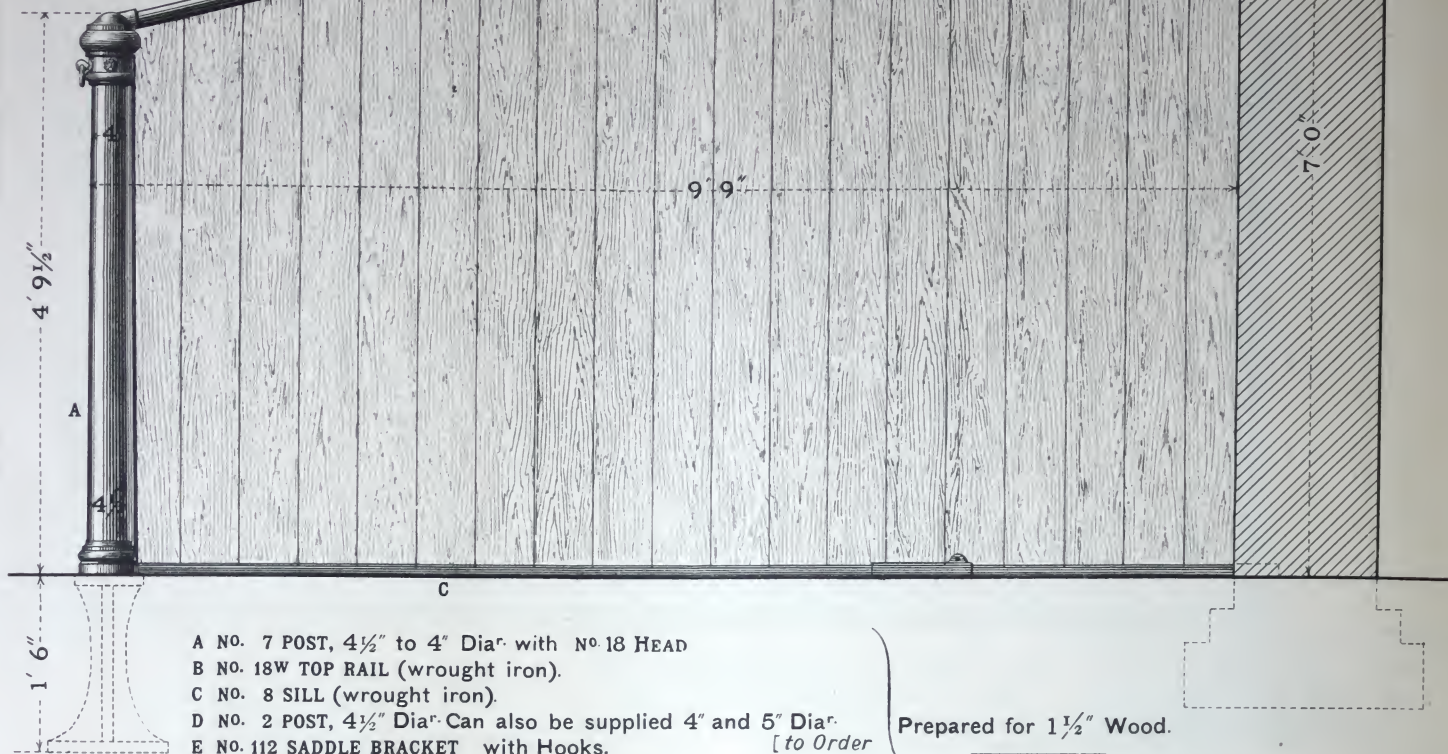
IMPROVED STABLE FITTINGS.

2126 Sections of NO. 18^W Top Rail.

Heavy $\frac{1}{2}$ " thick. Light $\frac{1}{4}$ " thick.

for $1\frac{1}{2}$ " for $1\frac{1}{2}$ " Wood. and 2" Wood

B



A NO. 7 POST, $4\frac{1}{2}$ " to 4" Dia^r with NO 18 HEAD

B NO. 18W TOP RAIL (wrought iron).

C NO. 8 SILL (wrought iron).

D NO. 2 POST, $4\frac{1}{2}$ " Dia^r. Can also be supplied 4" and 5" Dia^r.

E NO. 112 SADDLE BRACKET with Hooks.

F NO. 21A TOP RAIL.

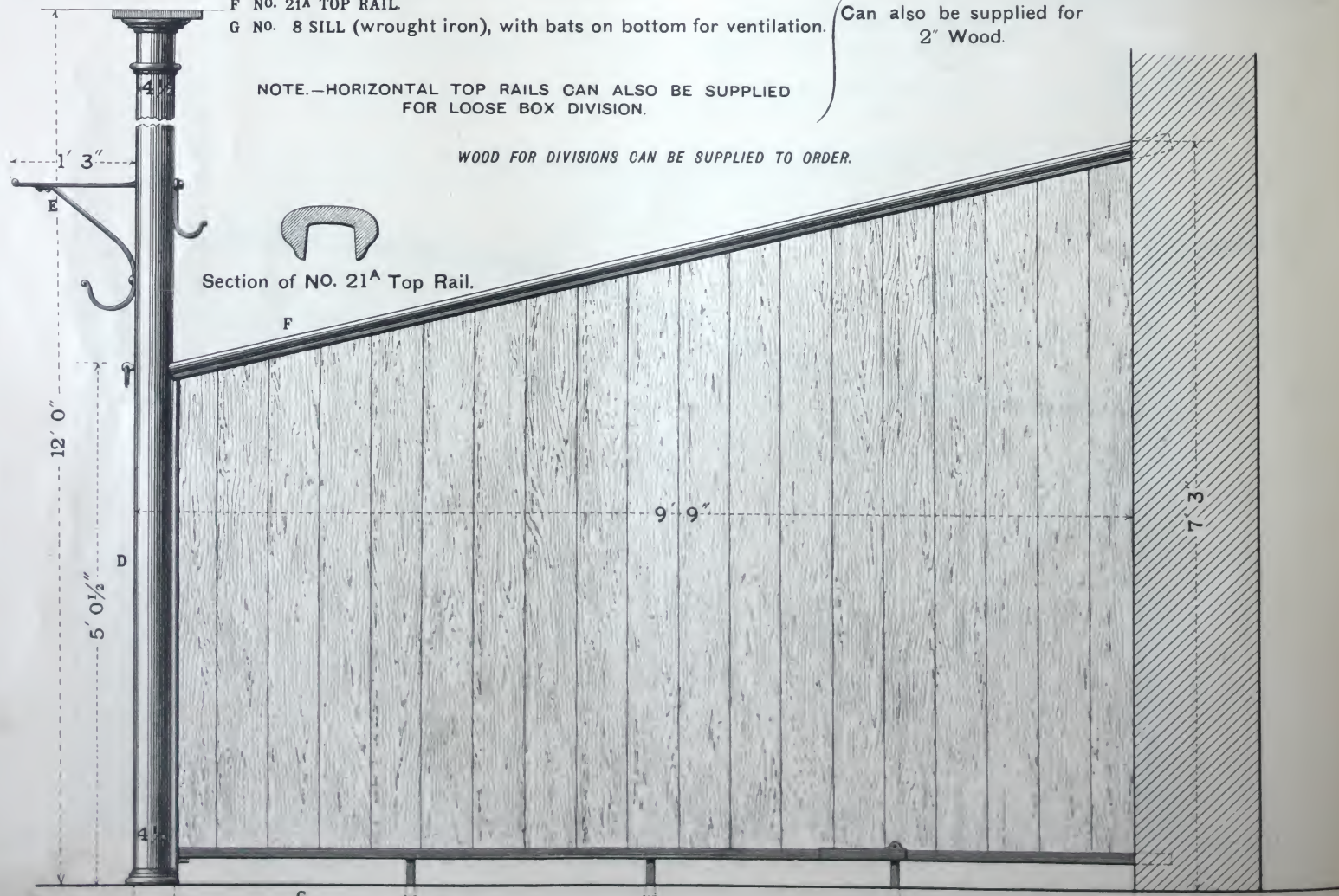
G NO. 8 SILL (wrought iron), with bats on bottom for ventilation.

Prepared for $1\frac{1}{2}$ " Wood.

Can also be supplied for 2" Wood.

NOTE.—HORIZONTAL TOP RAILS CAN ALSO BE SUPPLIED FOR LOOSE BOX DIVISION.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



Section of NO. 21^A Top Rail.

F

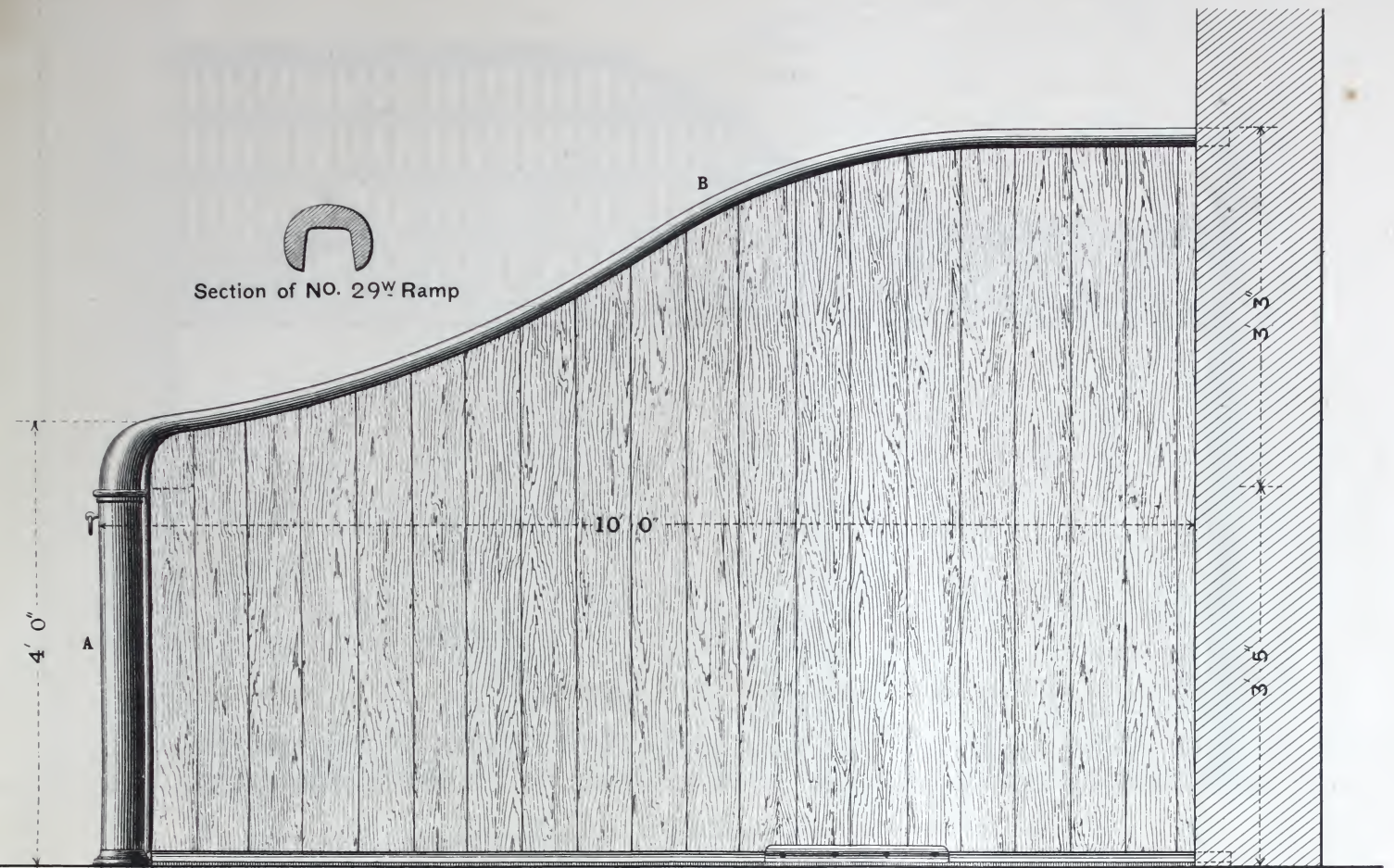
D

G

Section of NO 8 Sill.

SIZES AND PROPORTIONS CAN BE VARIED.

Section of NO. 29^W Ramp



Section of
NO. 6 Sill.

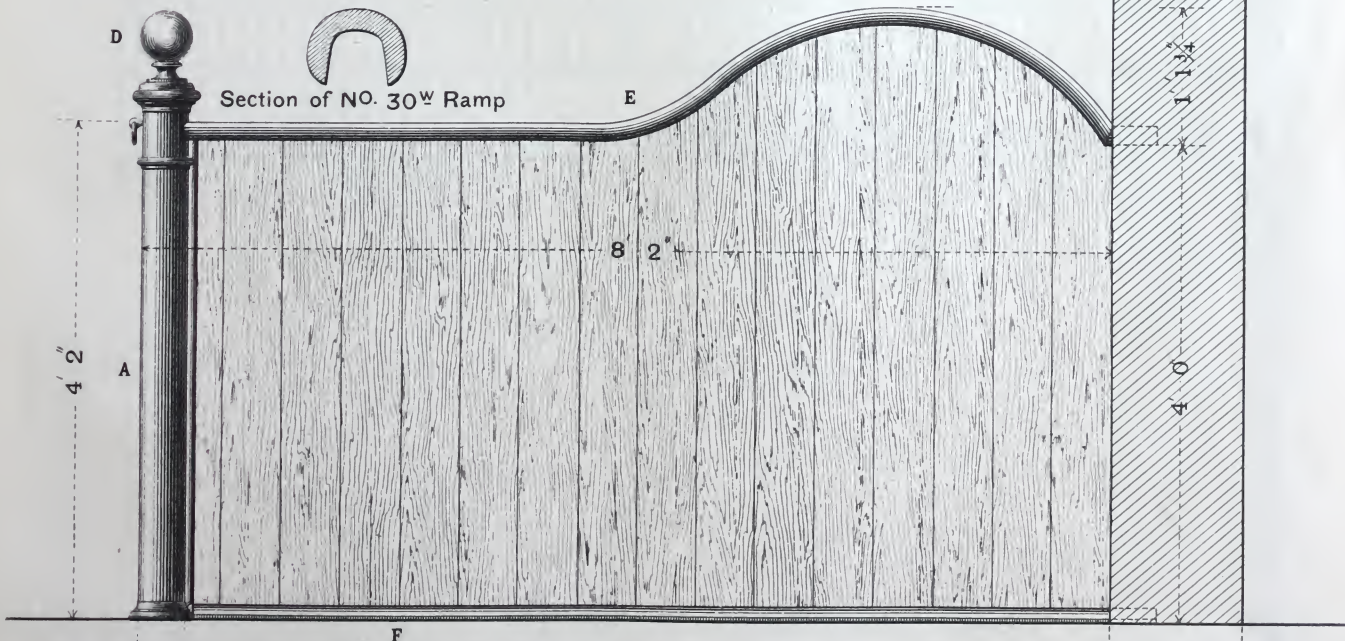
- C
A NO. 8 POST, 4½" Dia.
Can also be supplied 4", 5", and 6" Dia.
[to Order]
B NO. 29^W RAMP,
C NO. 6 SILL.
D NO. 11 HEAD.
E NO. 30^W RAMP. (for Pony)
F NO. 1 SILL.

Prepared for 1½" Wood.

Can also be supplied for
1¾" and 2" Wood.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.

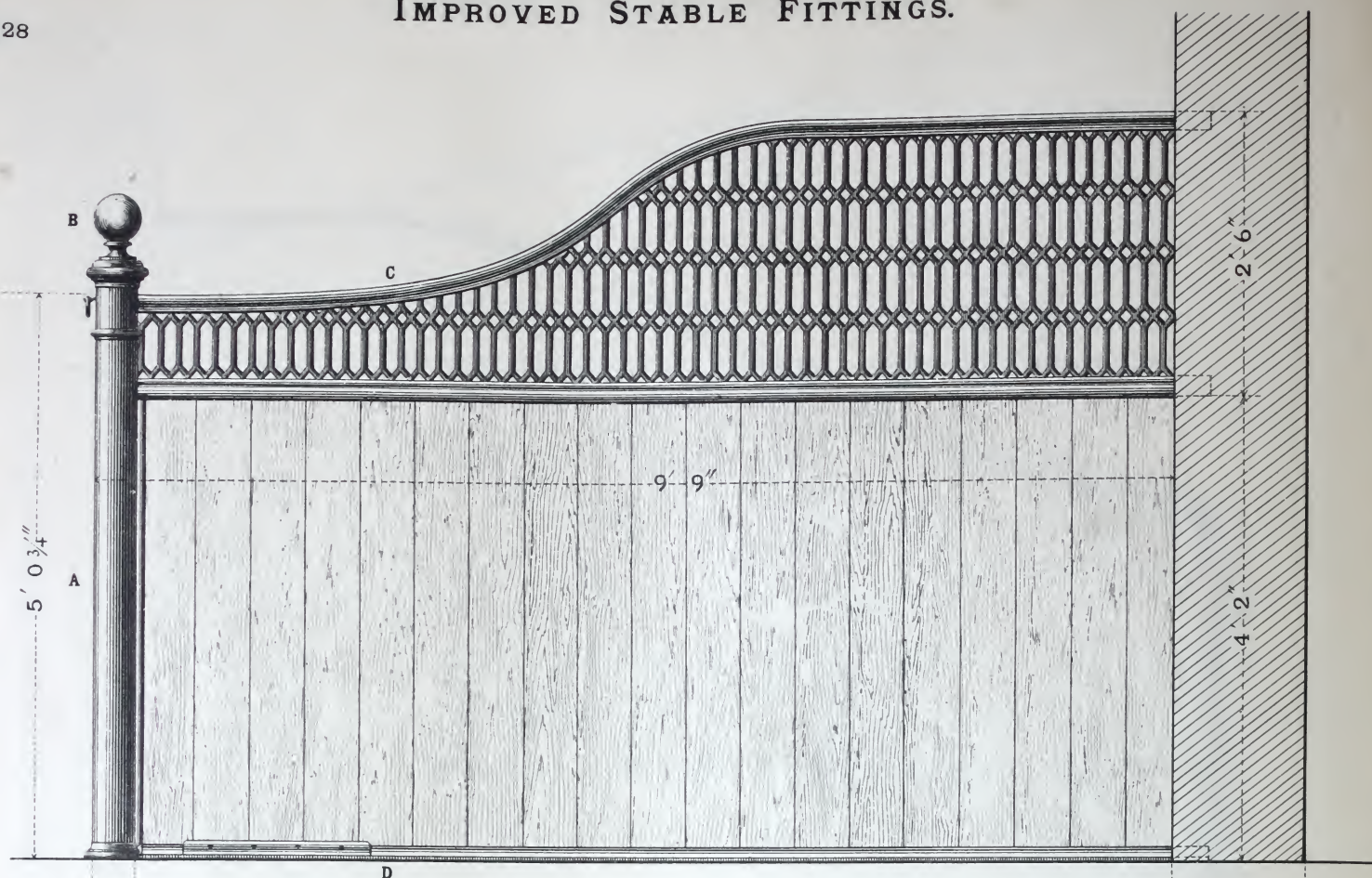
Section of NO. 30^W Ramp



Half Posts, Half Heads, Half Ramps. or Top Rails and Half Sills for
Wall can be supplied to suit 1" Wood. Other sizes to Order.

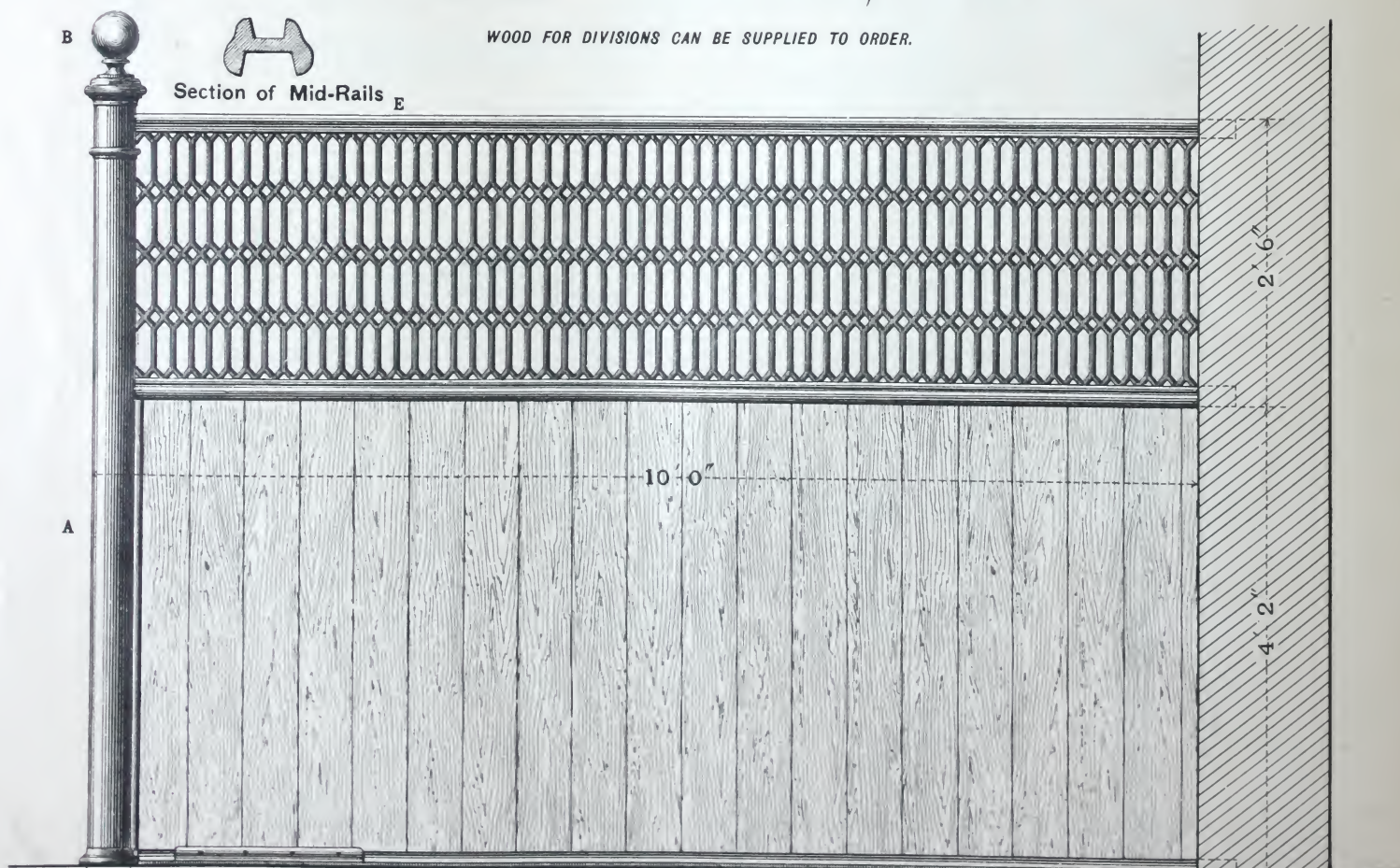
SIZES AND PROPORTIONS CAN BE VARIED

IMPROVED STABLE FITTINGS.



- A NO. 8 POST, 4 1/2" DIAM. Can also be supplied 4", 5", and 6" DIAM. [to Order] Prepared for 1 1/2" WOOD.
 B NO. 11 HEAD, to suit
 C NO. 4 STALL DIVISION.
 D NO. 4 SILL.
 E NO. 3 LOOSE BOX DIVISION, Can also be supplied for 1 3/4" and 2" WOOD.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



Section of Mid-Rails E

- D Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" WOOD. Other sizes to Order
 Section of NO. 4 Sill. SIZES AND PROPORTIONS CAN BE VARIED.



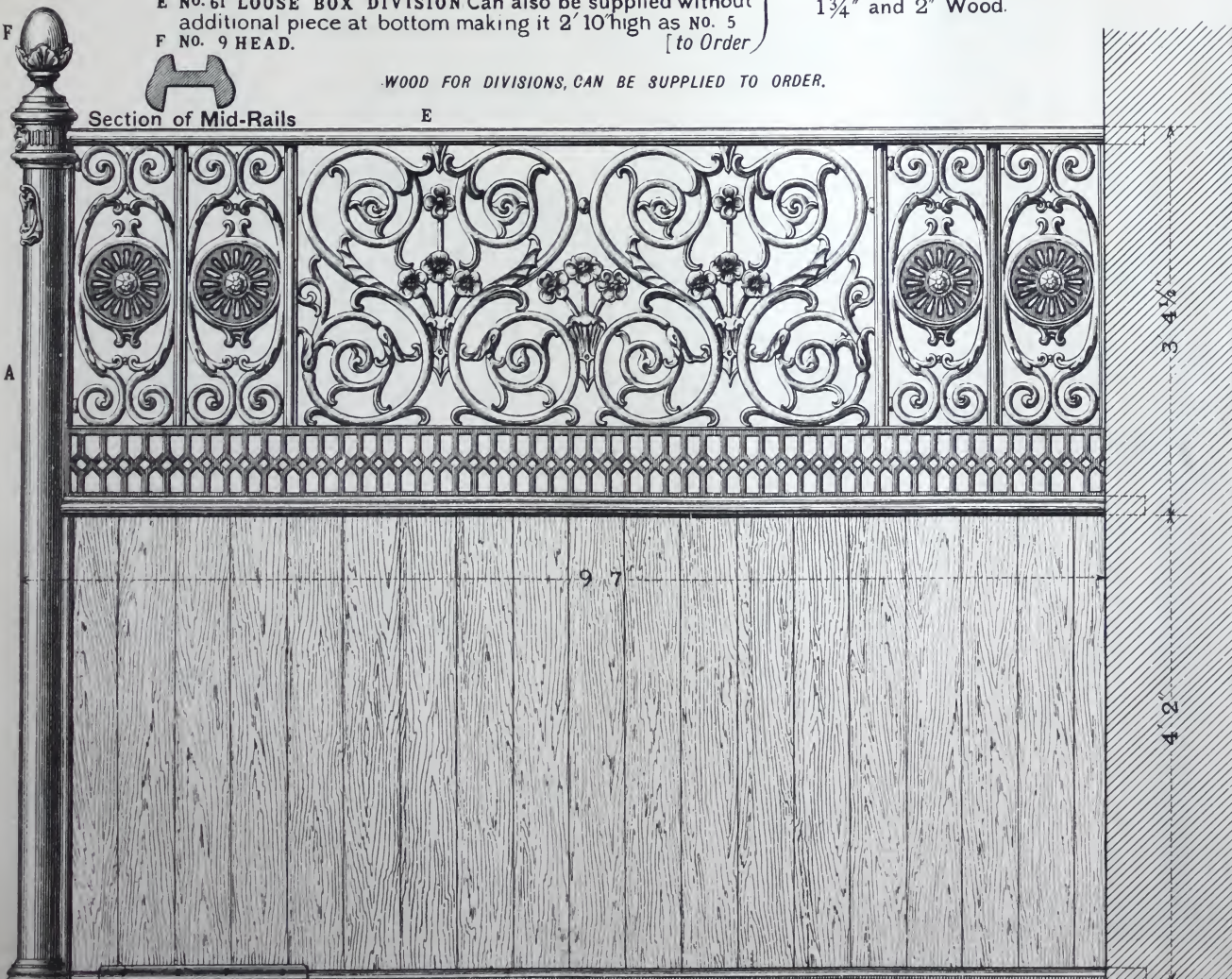
- A No. 3 POST, 5" Dia.
 B, No. 5 HEAD.
 C No. 5 STALL DIVISION Can also be supplied with additional piece at bottom making it 3' 4½" high as No. 61 [to Order]
 D No. 4 SILL.
 E No. 61 LOOSE BOX DIVISION Can also be supplied without additional piece at bottom making it 2' 10" high as No. 5 [to Order]
 F No. 9 HEAD.

Prepared for 1½" Wood.

Can also be supplied for 1¾" and 2" Wood.

WOOD FOR DIVISIONS, CAN BE SUPPLIED TO ORDER.

Section of Mid-Rails



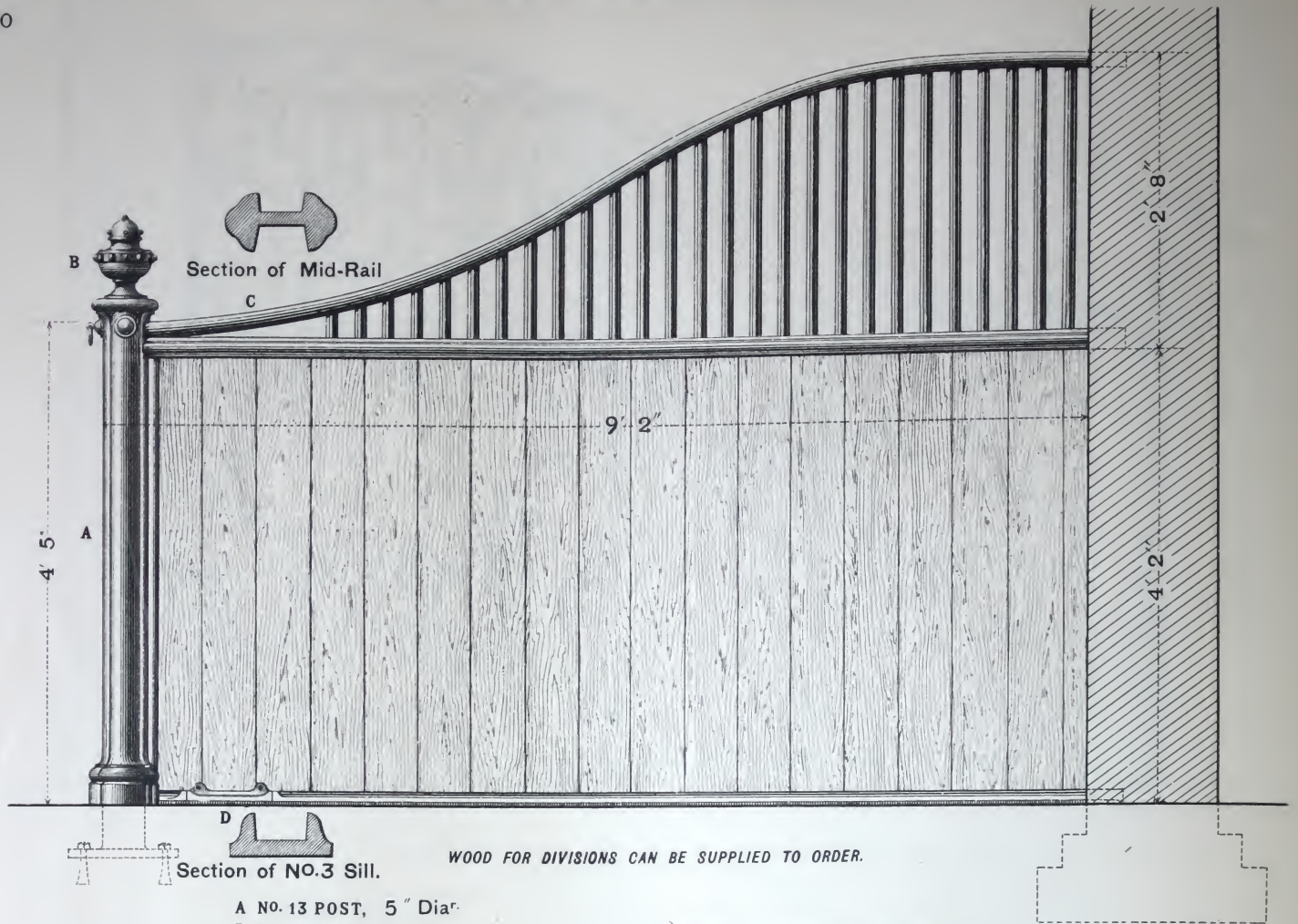
Half Posts, Half Heads, Half Ramps or Top Rails Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes to Order

Section of NO. 4 Sill.

SIZES AND PROPORTIONS CAN BE VARIED.

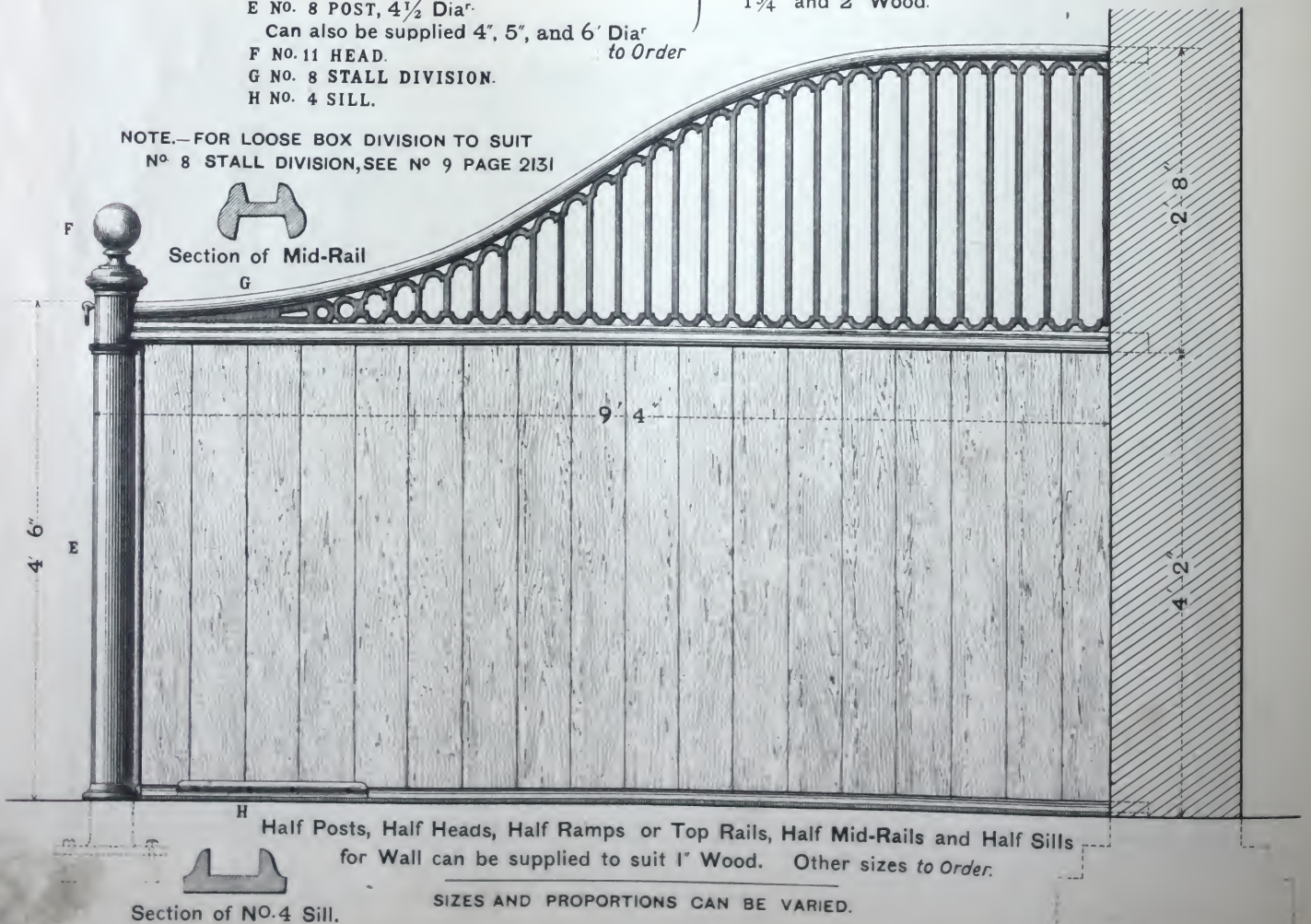
IMPROVED STABLE FITTINGS.

2130



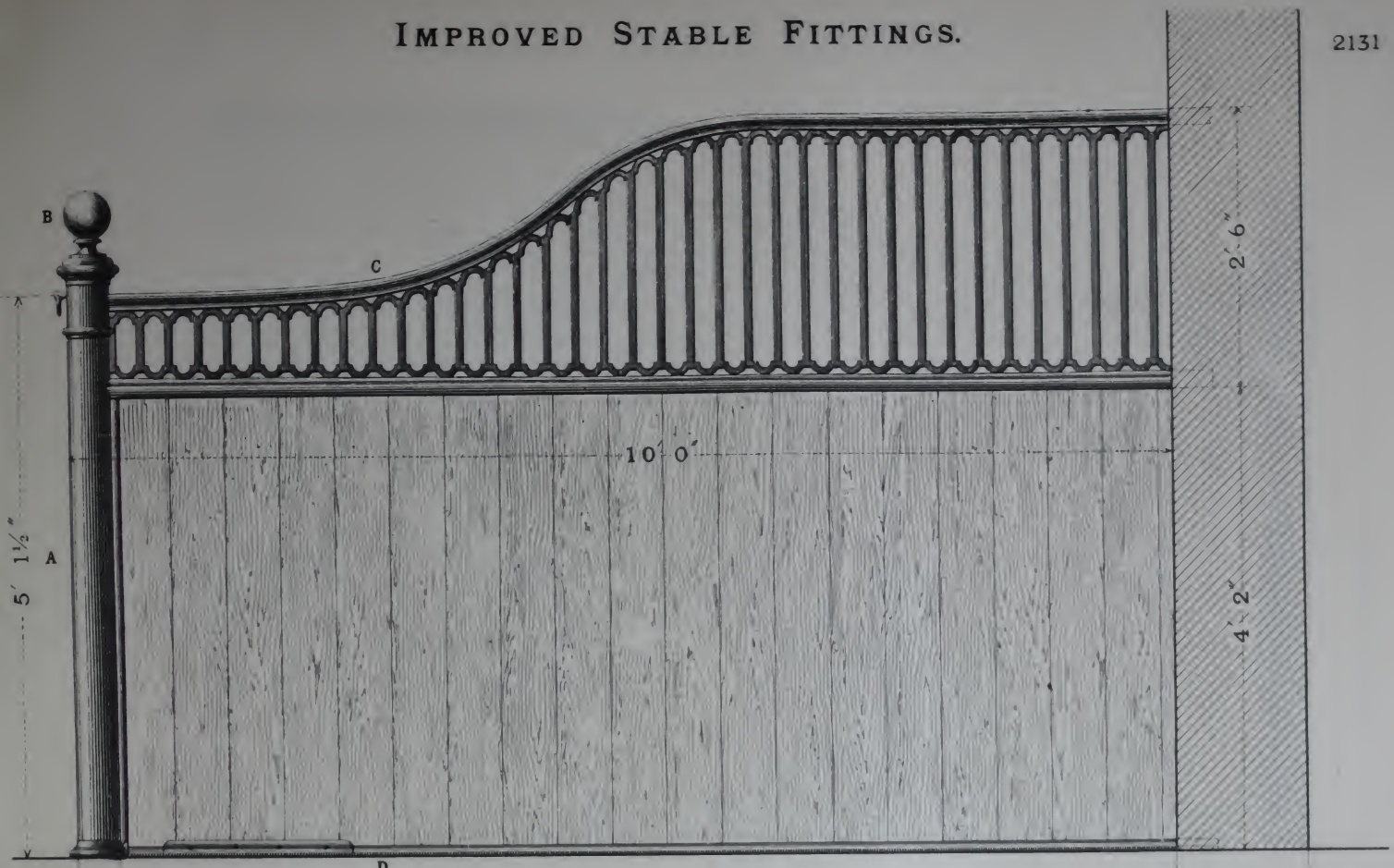
- A NO. 13 POST, 5" Dia.
 - B NO. 16 HEAD
 - C NO. 6 STALL DIVISION. with cast Iron Bars
Curve suits NO 7 w Ramp.
 - D NO. 3 SILL.
 - E NO. 8 POST, 4 1/2" Dia.
Can also be supplied 4", 5", and 6" Dia.
to Order
 - F NO. 11 HEAD.
 - G NO. 8 STALL DIVISION.
 - H NO. 4 SILL.
- Prepared for 1 1/2" Wood.
Can also be supplied for 1 3/4" and 2" Wood.

NOTE.—FOR LOOSE BOX DIVISION TO SUIT
NO 8 STALL DIVISION, SEE NO 9 PAGE 2131



IMPROVED STABLE FITTINGS.

2131

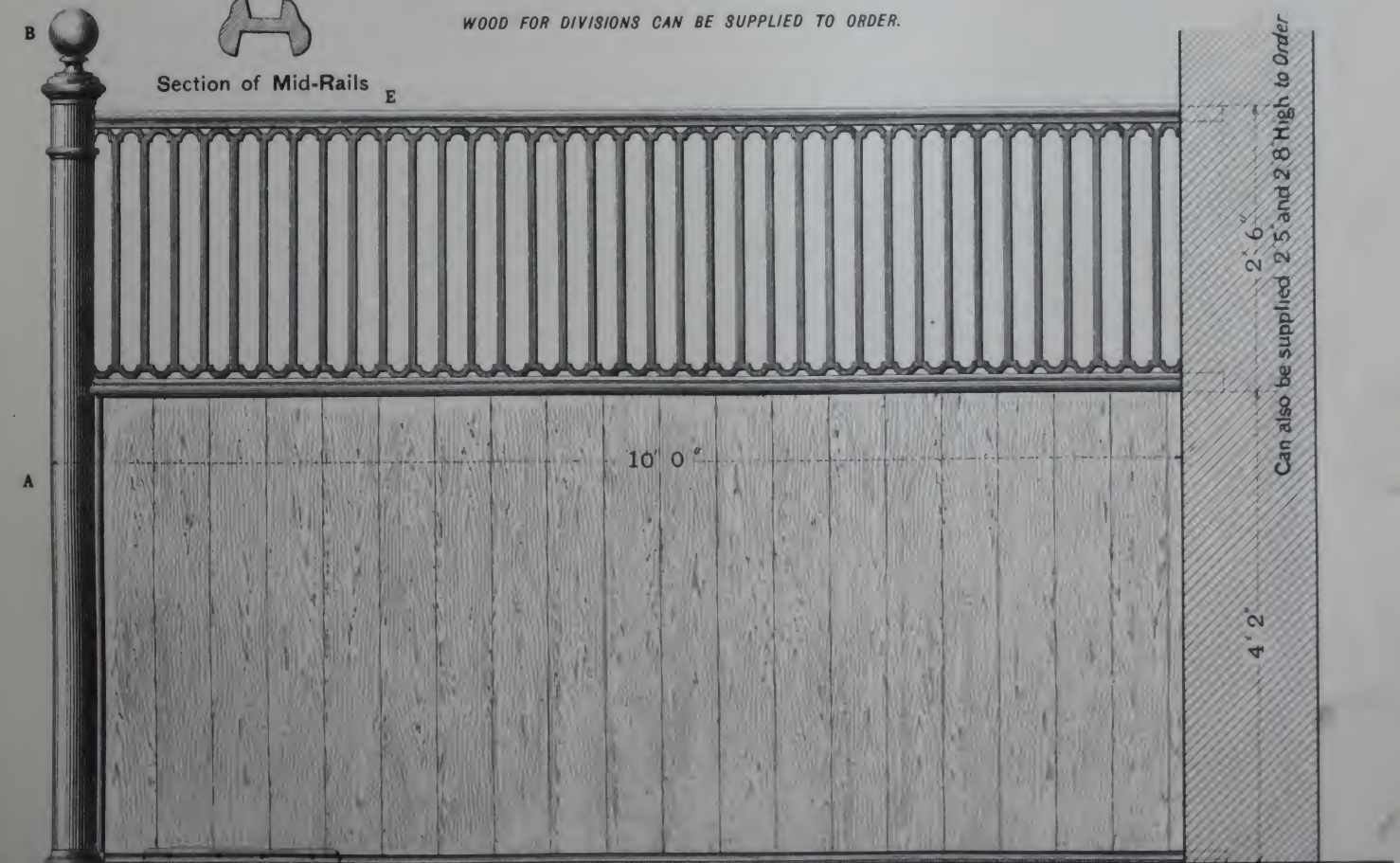


- A NO. 8 POST, 4 1/2" DIAM. Can also be supplied 4", 5", and 6" DIAM. [to Order] Prepared for 1 1/2" WOOD.
 B NO. 11 HEAD. TO SUIT
 C NO. 67 STALL DIVISION.
 D NO. 4 SILL.
 E NO. 9 LOOSE BOX DIVISION, Can also be supplied for 1 3/4" and 2" WOOD.



Section of Mid-Rails E

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



Can also be supplied 2' 5" and 2' 8" High to Order

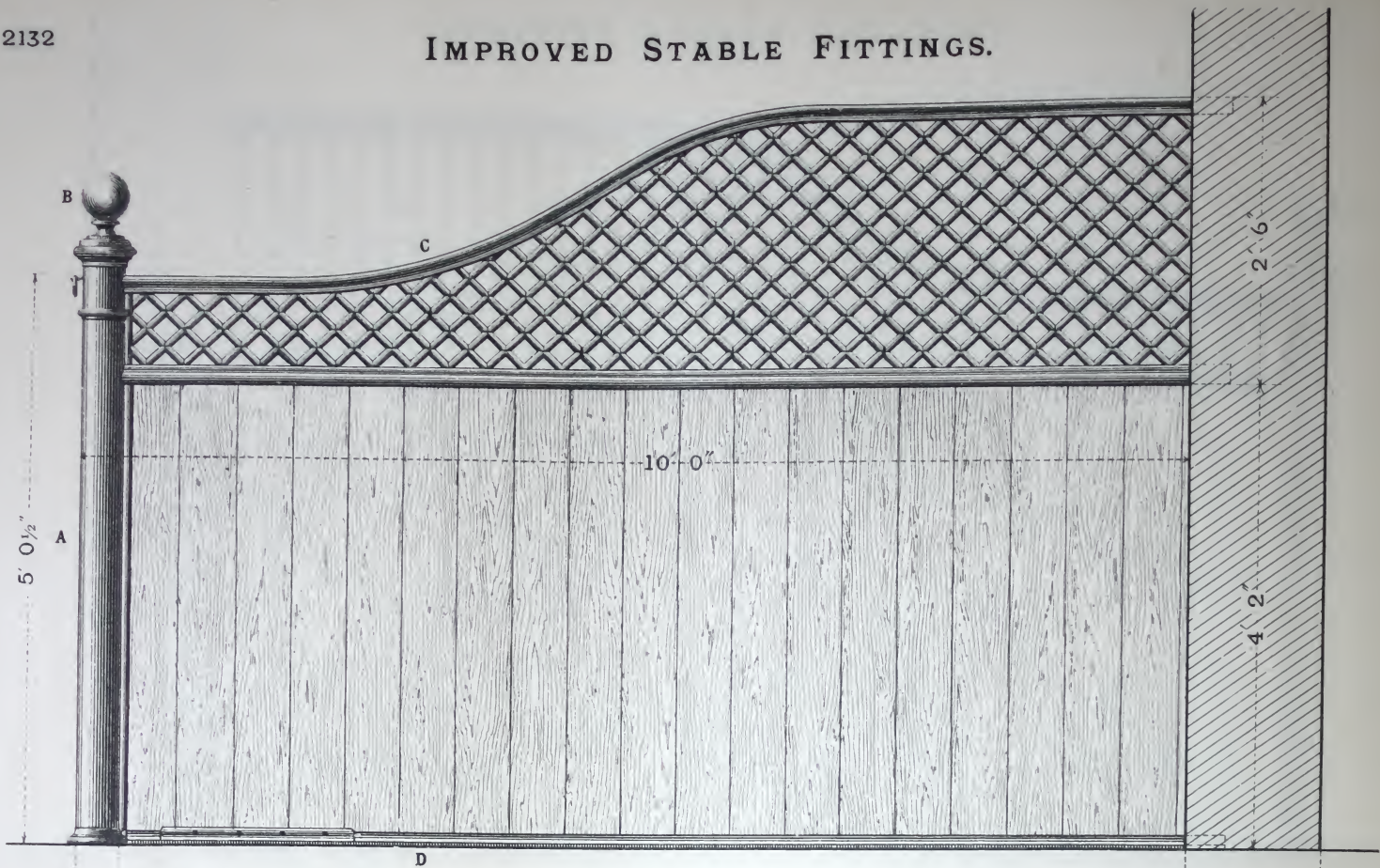
Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails, and Half Sills for Wall can be supplied to suit 1" WOOD. Other sizes to Order



Section of NO. 4 SILL.

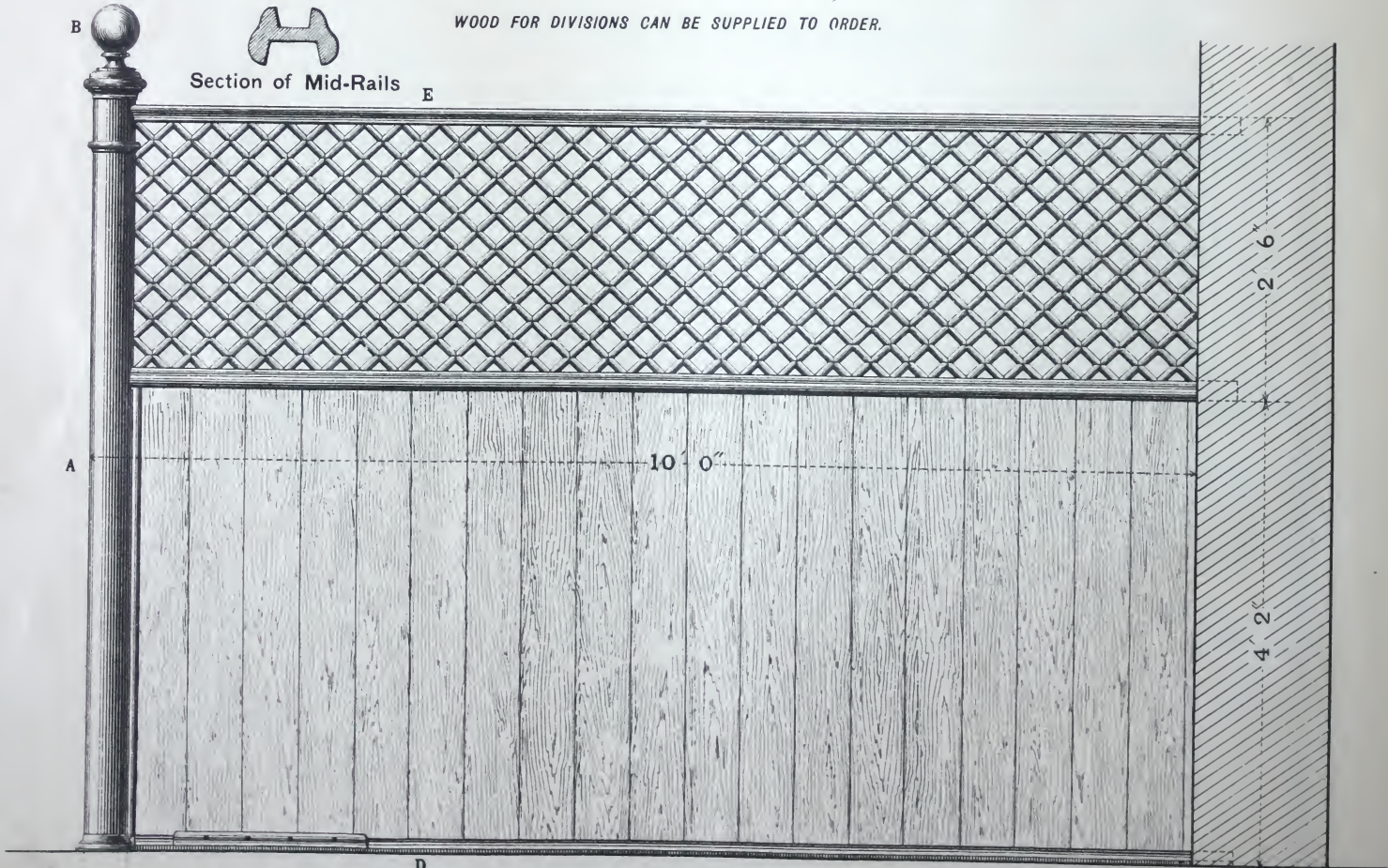
SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.



A NO. 8 POST, 4 1/2" DIAM. Can also be supplied 4", 5", and 6" DIAM. [to Order] Prepared for 1 1/2" WOOD.
B NO. 11 HEAD. TO SUIT
C NO. 15 STALL DIVISION.
D NO. 4 SILL.
E NO. 14 LOOSE BOX DIVISION. Can also be supplied for 1 3/4" and 2" WOOD.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.

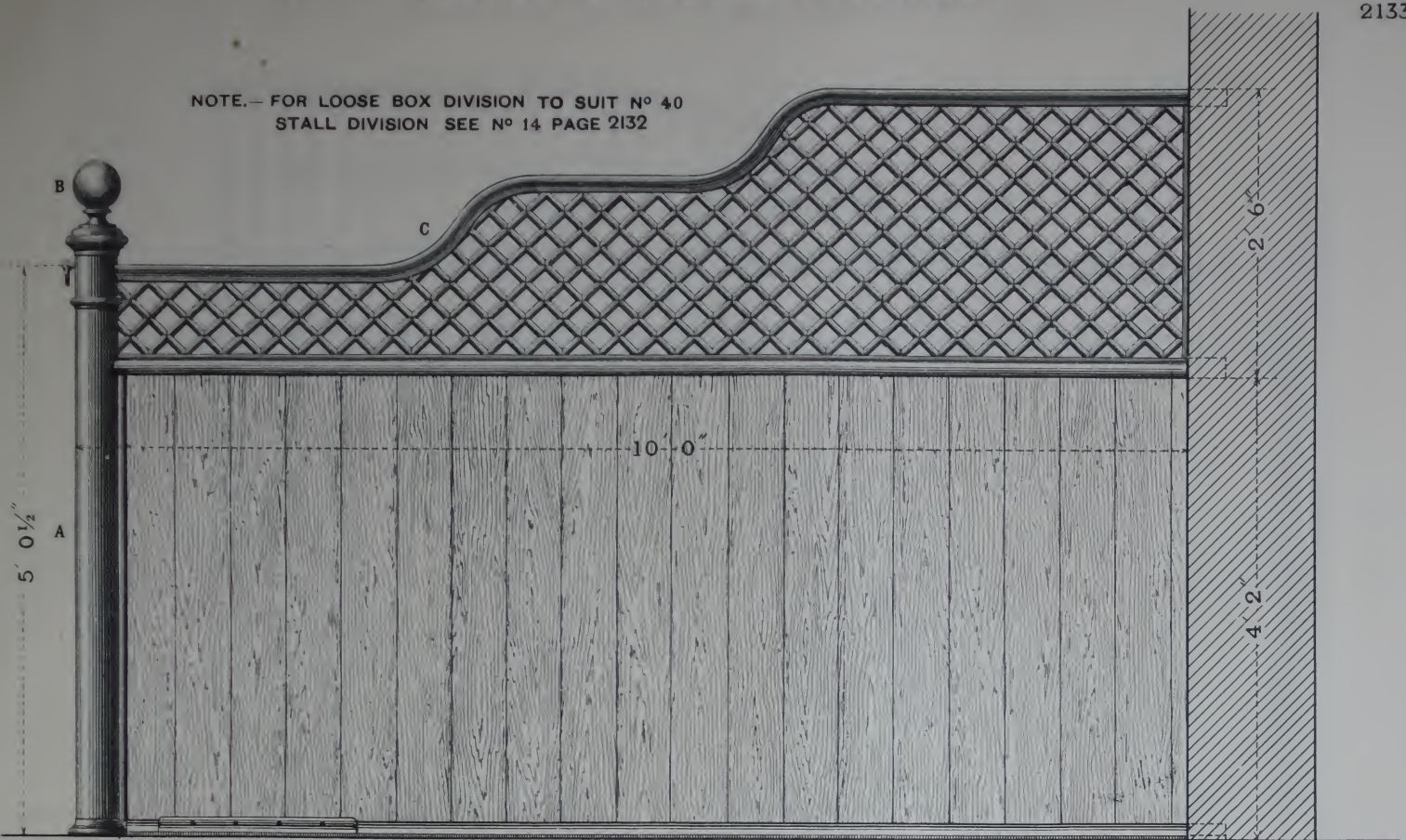


D Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" WOOD. Other sizes to Order
Section of NO. 4 SILL. SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

2133

NOTE.— FOR LOOSE BOX DIVISION TO SUIT N° 40
STALL DIVISION SEE N° 14 PAGE 2132

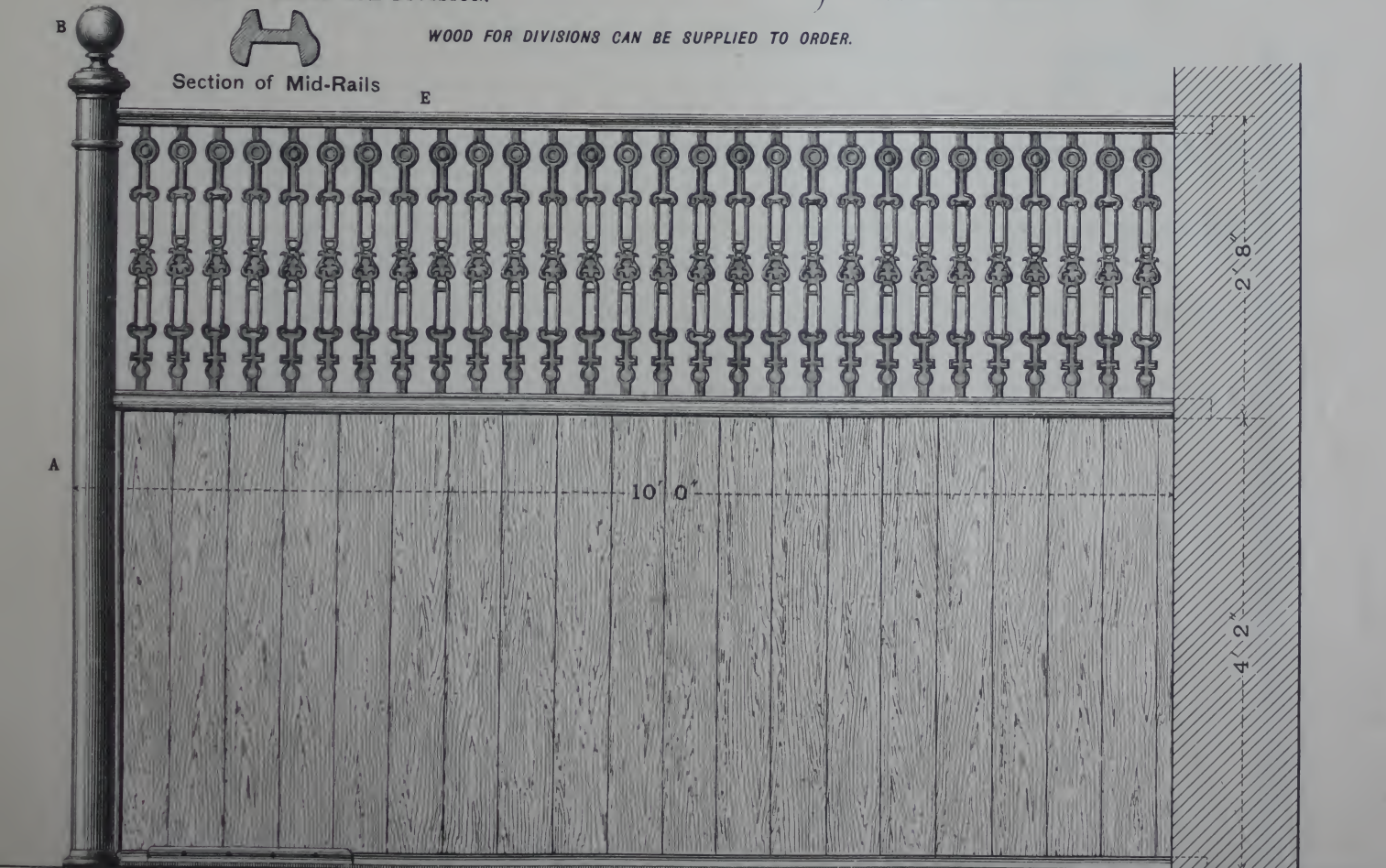


- A N° 8 POST, 4½" Dia. Can also be supplied 4", 5", and 6" Dia. [to Order] Prepared for 1½" Wood.
 B N° 11 HEAD to suit.
 C N° 40 STALL DIVISION.
 D N° 4 SILL.
 E N° 2 LOOSE BOX DIVISION.
 Can also be supplied for 1¾" and 2" Wood.



WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.

Section of Mid-Rails

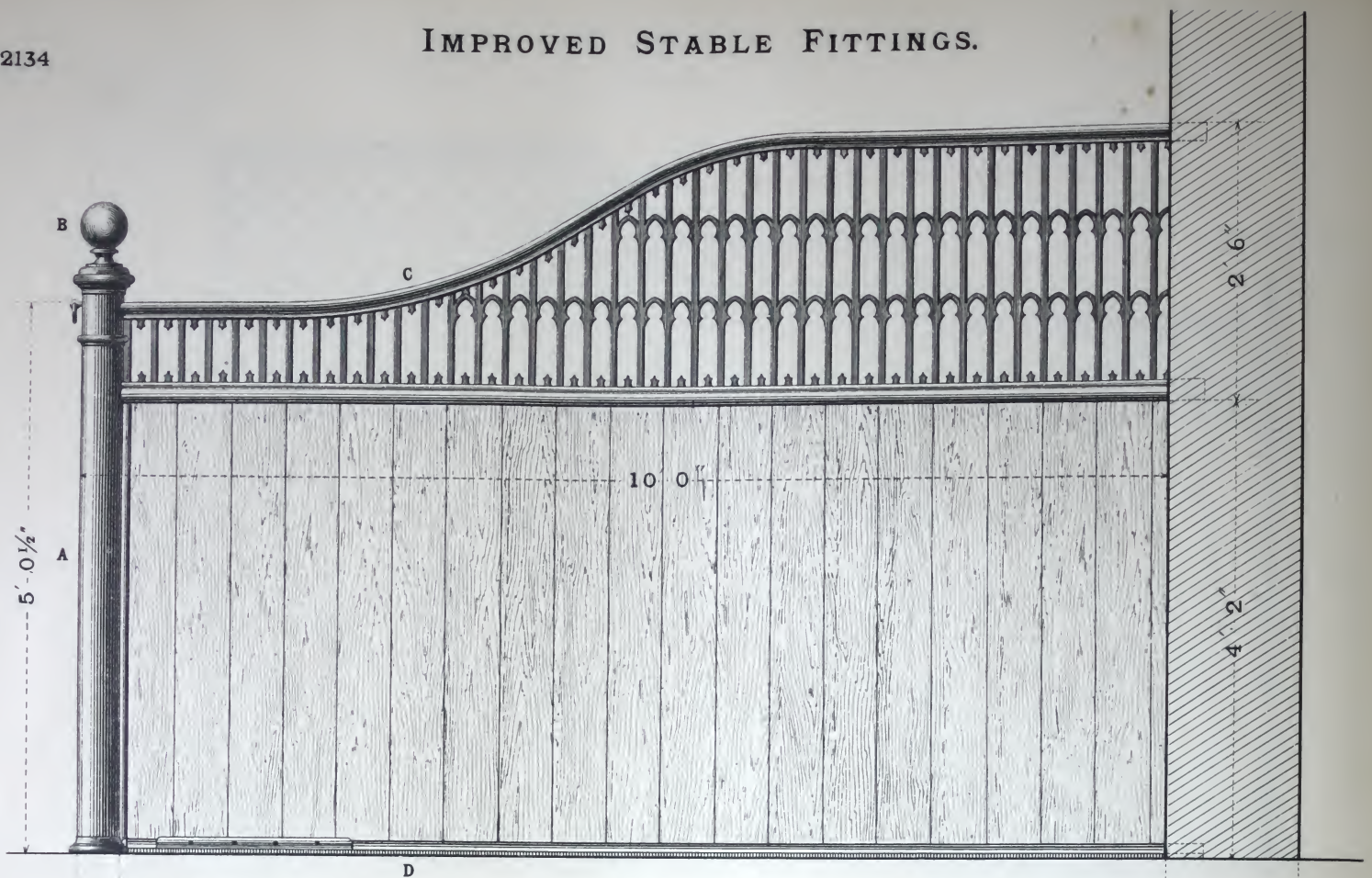


Section of N° 4 Sill.

D Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills
for Wall can be supplied to suit 1" Wood. Other sizes to Order

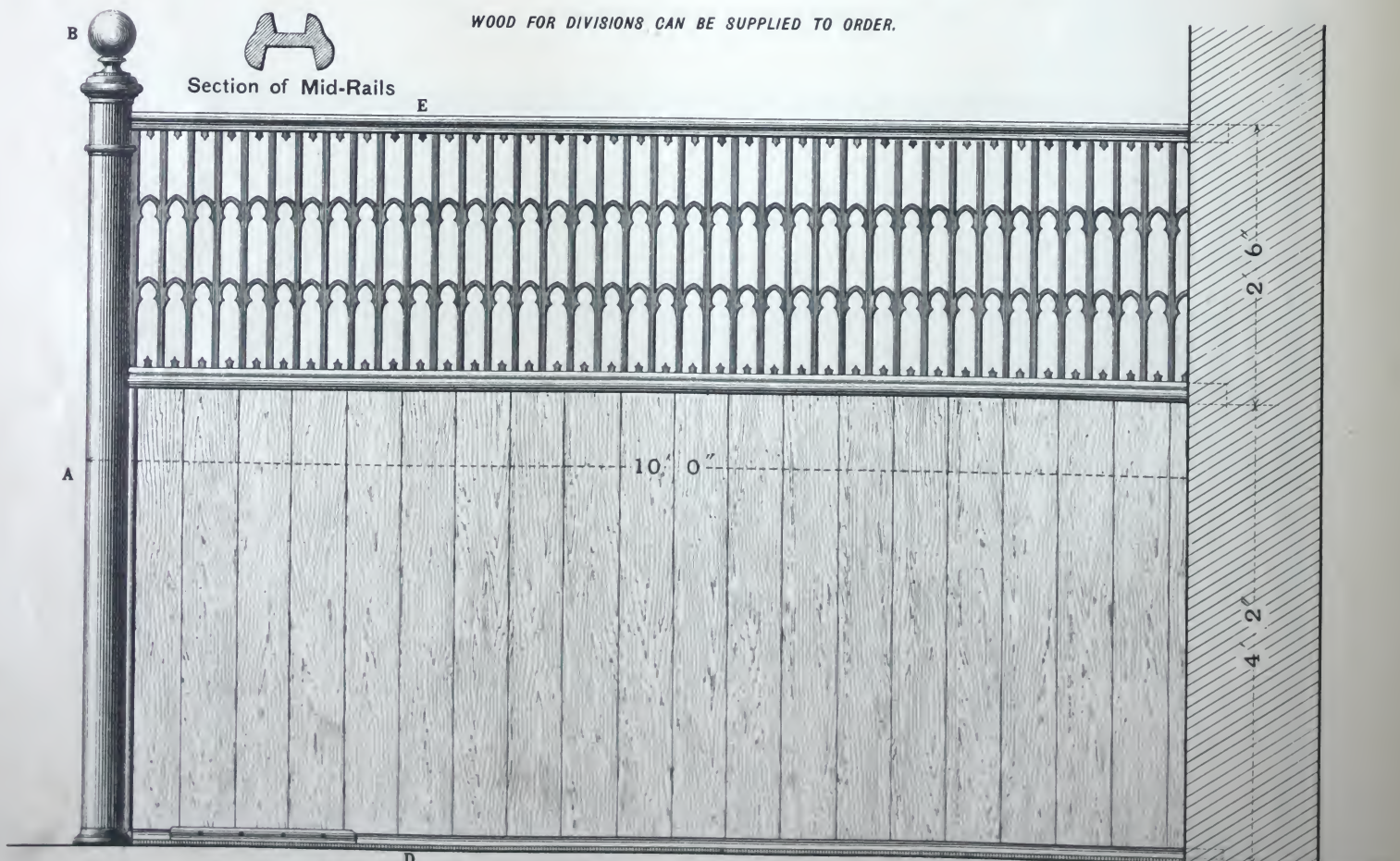
SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.



- A NO. 8 POST, 4 1/2" Dia. Can also be supplied 4", 5", and 6" Dia. [to Order] Prepared for 1 1/2" Wood.
 B NO. 11 HEAD. to suit
 C NO. 16 STALL DIVISION.
 D NO. 4 SILL.
 E NO. 17 LOOSE BOX DIVISION, Can also be supplied for 1 3/4" and 2" Wood.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



Section of Mid-Rails

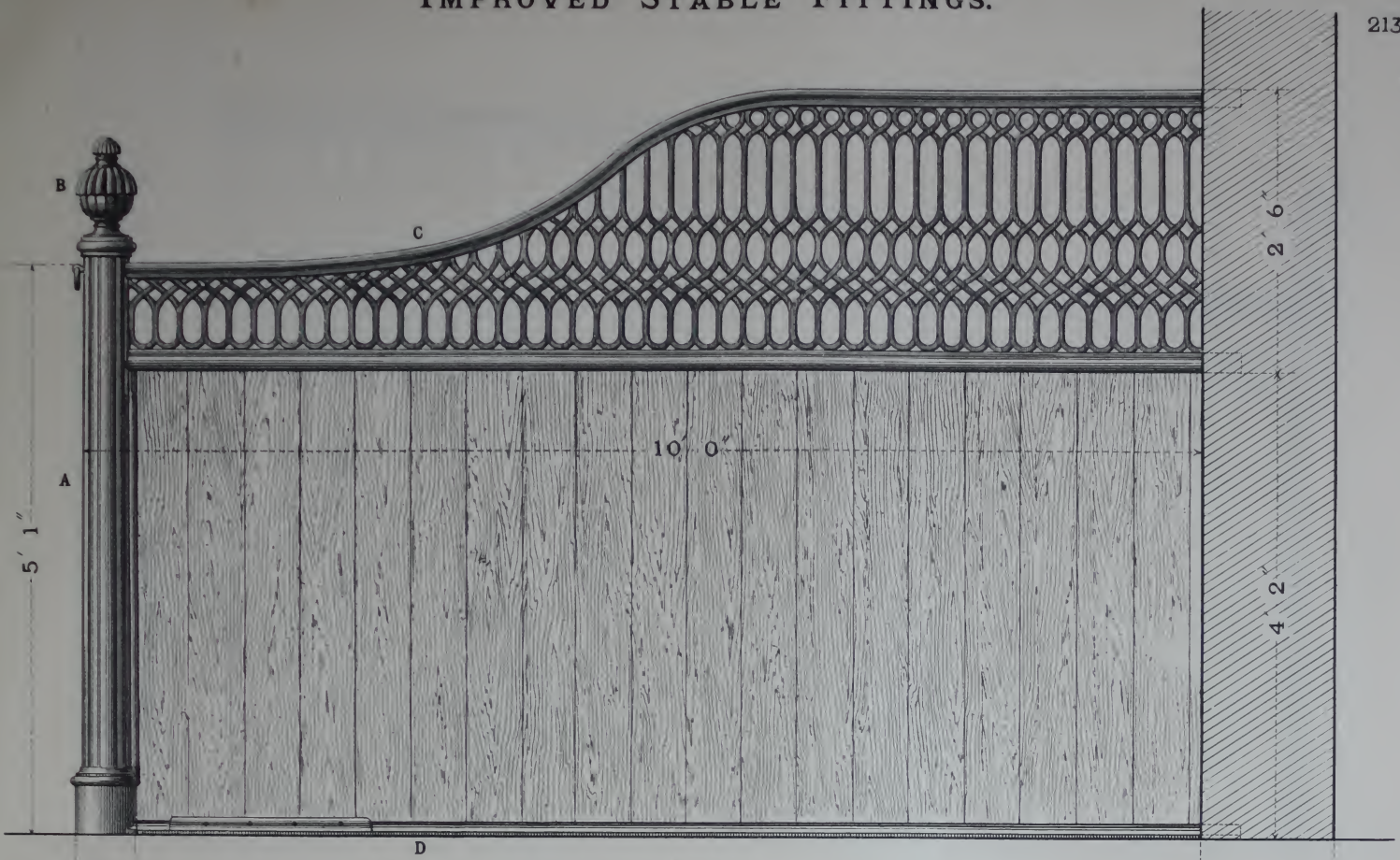
Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes to Order.

Section of NO. 4 SILL.

SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

2135



A NO. 4 POST, 5 5/8" to 5" Dia.

B NO. 8 HEAD.

C NO. 31 STALL DIVISION.

D NO. 4 SILL.

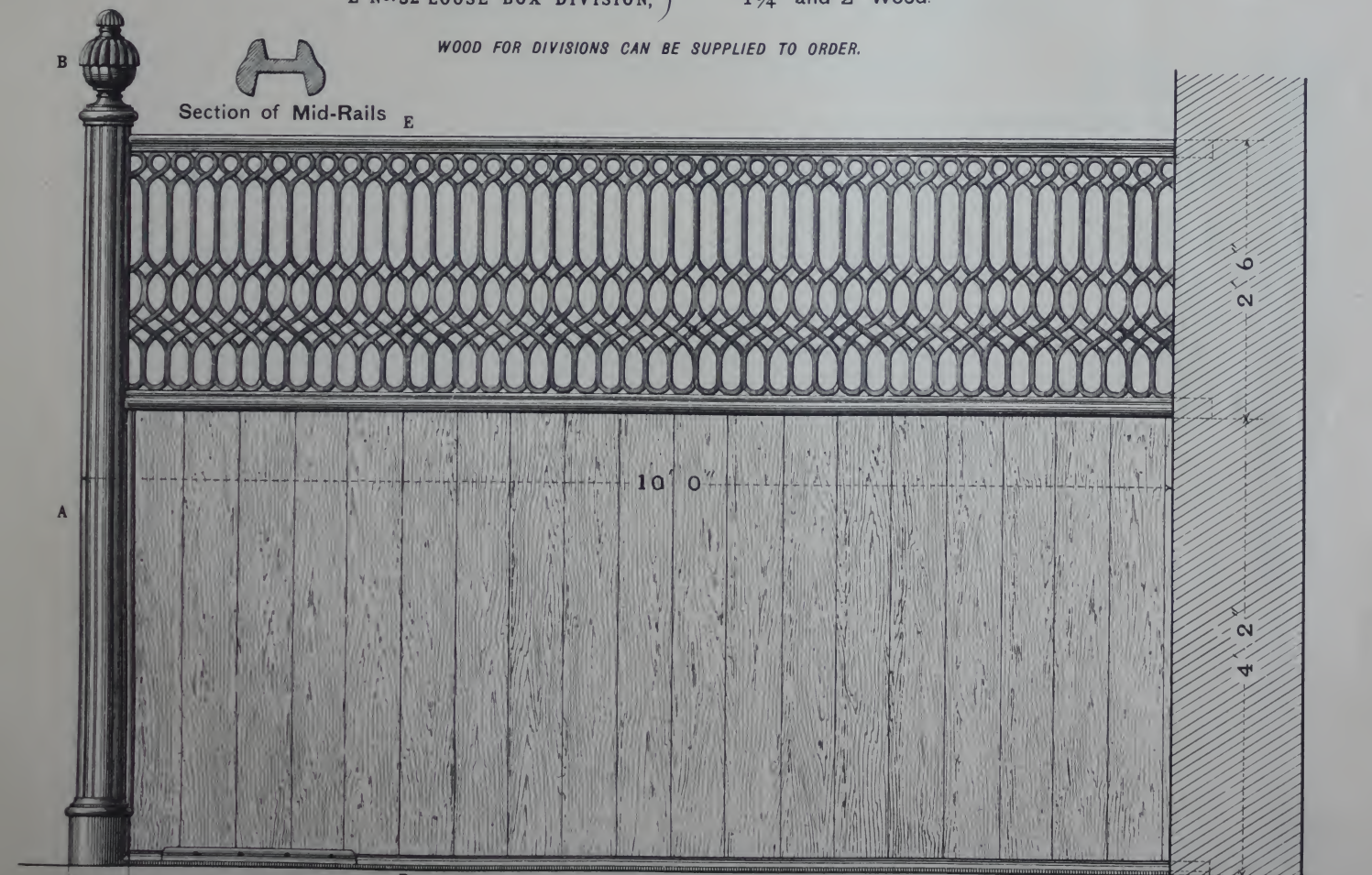
E NO. 32 LOOSE BOX DIVISION,

Prepared for 1 1/2" Wood.

Can also be supplied for
1 3/4" and 2" Wood.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.

Section of Mid-Rails E

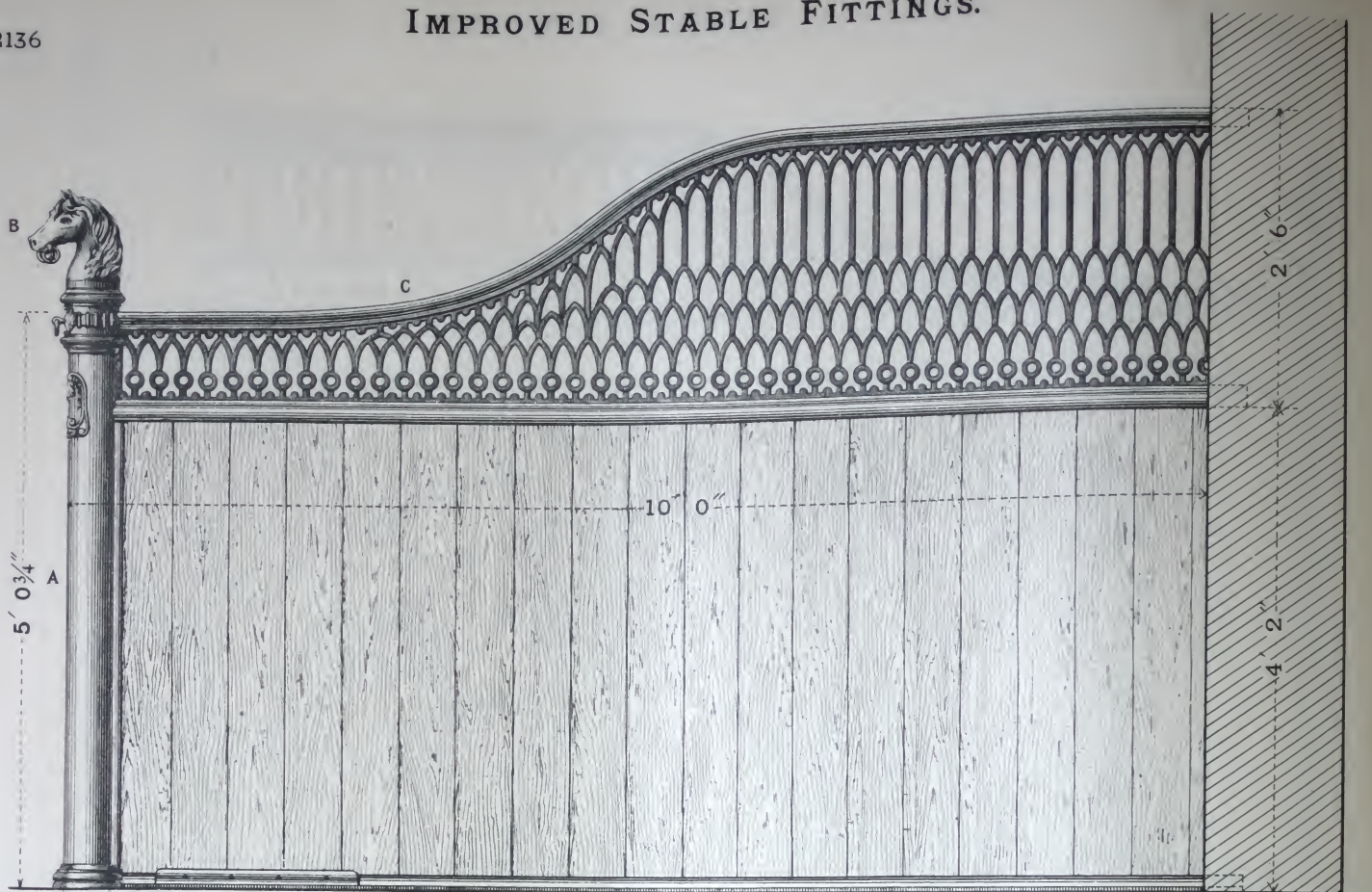


Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills
for Wall can be supplied to suit 1" Wood. Other sizes to Order

Section of NO. 4 Sill.

SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.



D

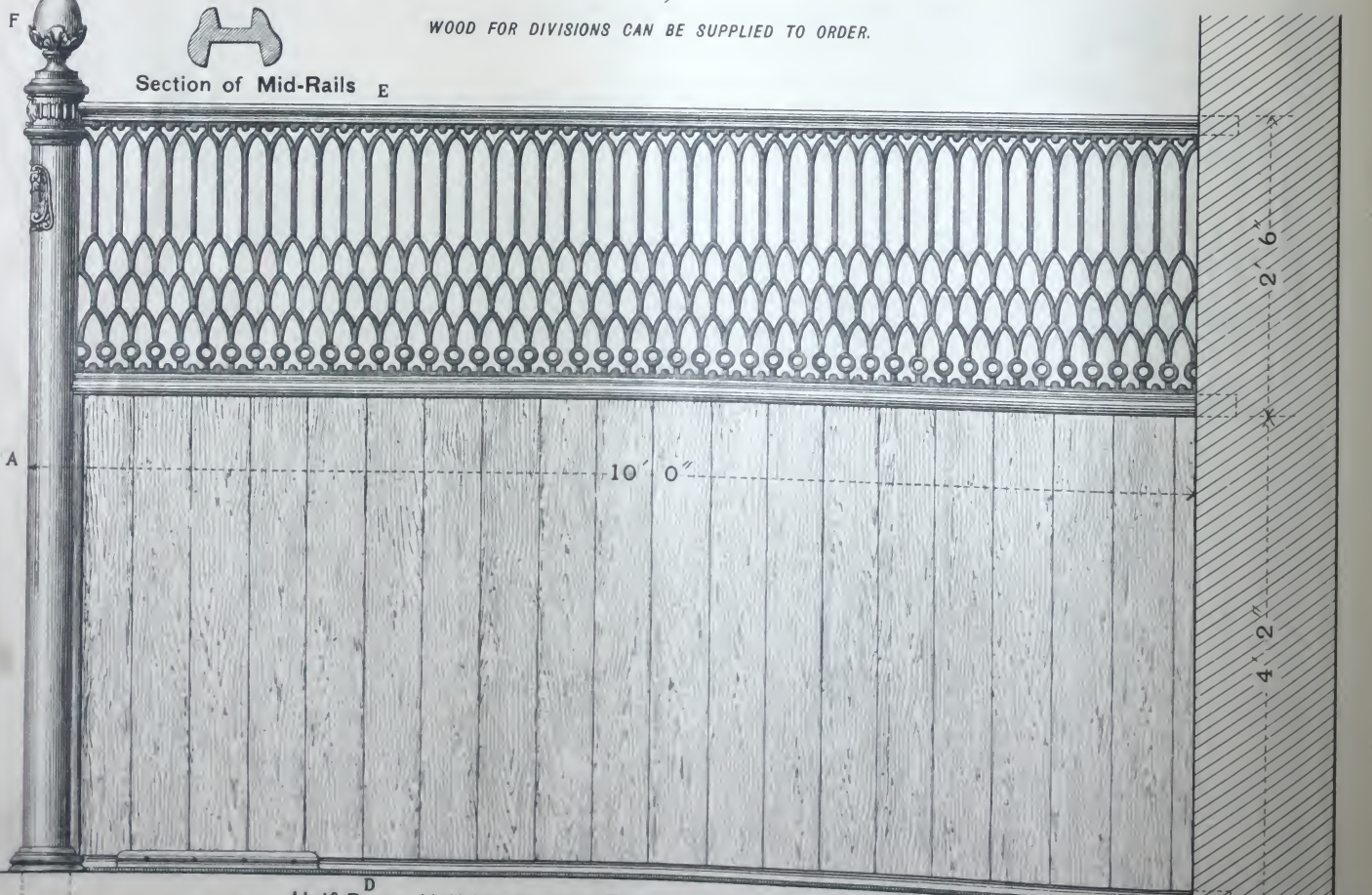
- A NO. 3 POST, 5" Dia.
 B NO. 5 HEAD.
 C NO. 33 STALL DIVISION.
 D NO. 4 SILL.
 E NO. 34 LOOSE BOX DIVISION,
 F NO. 9 HEAD.

Prepared for 1 1/2" Wood.

Can also be supplied for
1 3/4" and 2" Wood.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.

F
 Section of Mid-Rails E



A

10' 0"

4' 2"

2' 6"

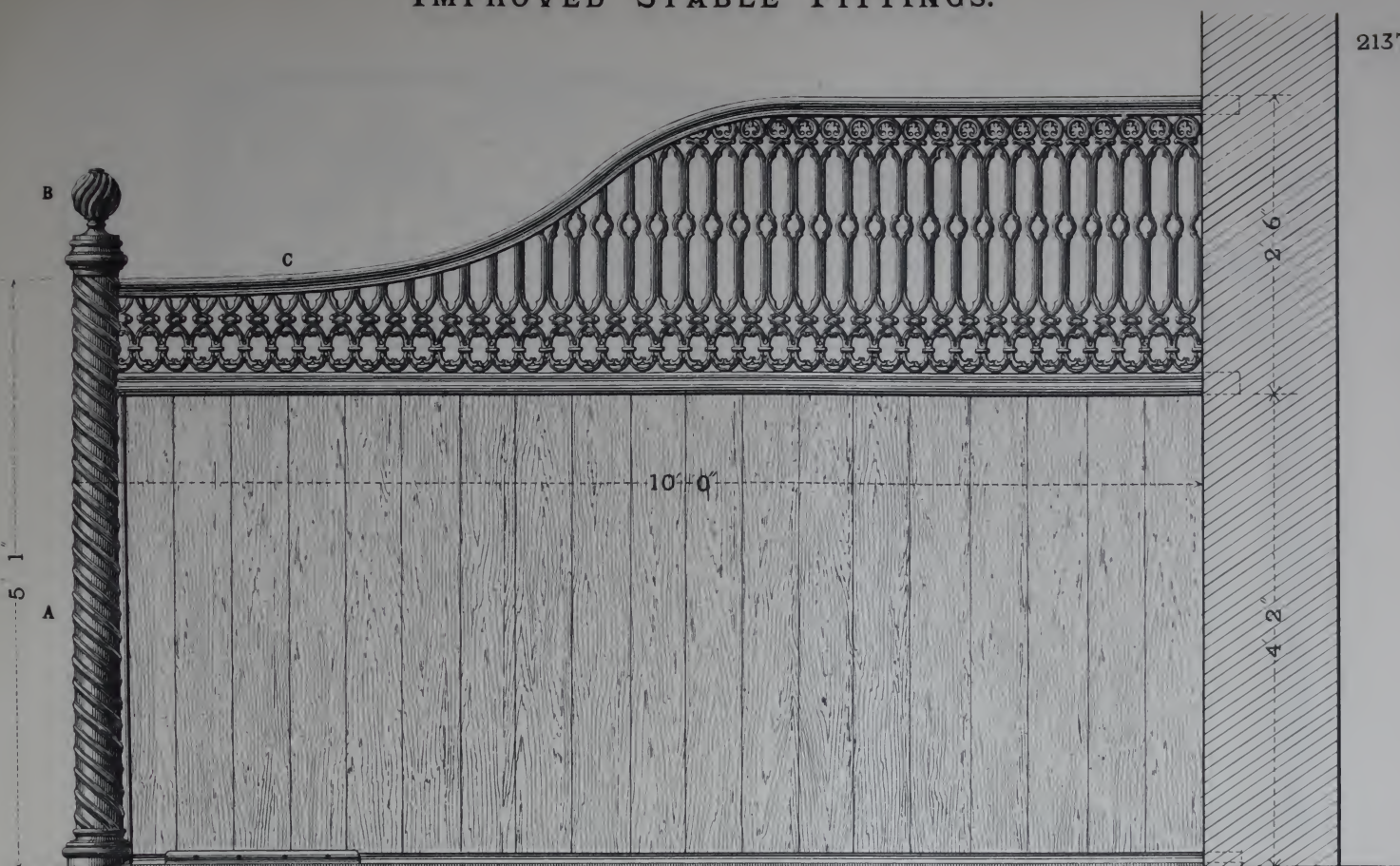
Section of NO 4 Sill.

Half Posts, Half Heads, Half Ramps or Top Rails Half Mid-Rails and Half Sills
 for Wall can be supplied to suit 1" Wood. Other sizes to Order.

SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

2137

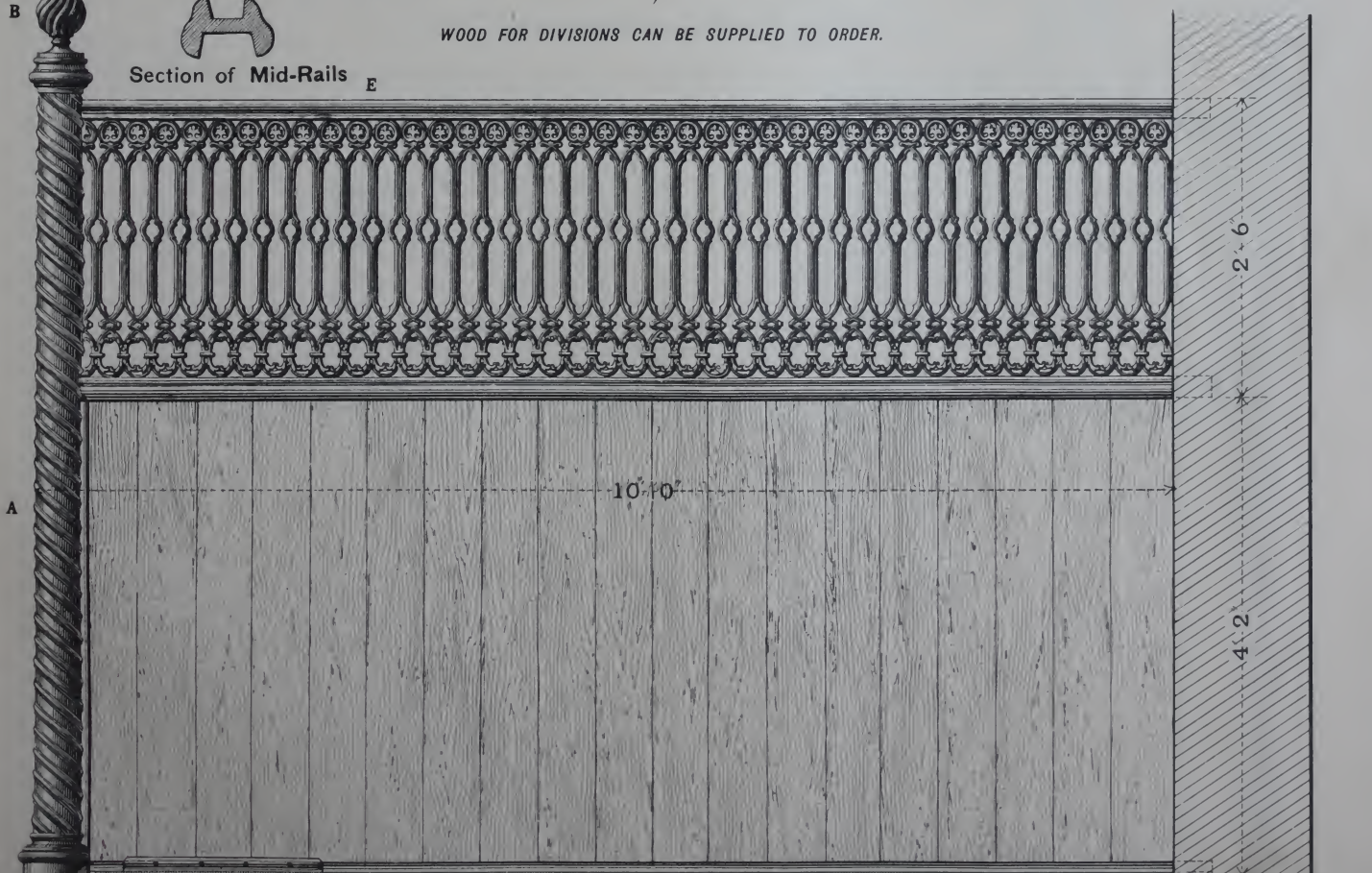
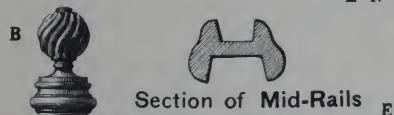


- A NO. 5 POST, 5" to 4 3/8" DIAM.
- B NO. 15 HEAD.
- C NO. 35 STALL DIVISION.
- D NO. 4 SILL.
- E NO. 36 LOOSE BOX DIVISION.

Prepared for 1 1/2" Wood.

Can also be supplied for 1 3/4" and 2" Wood.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



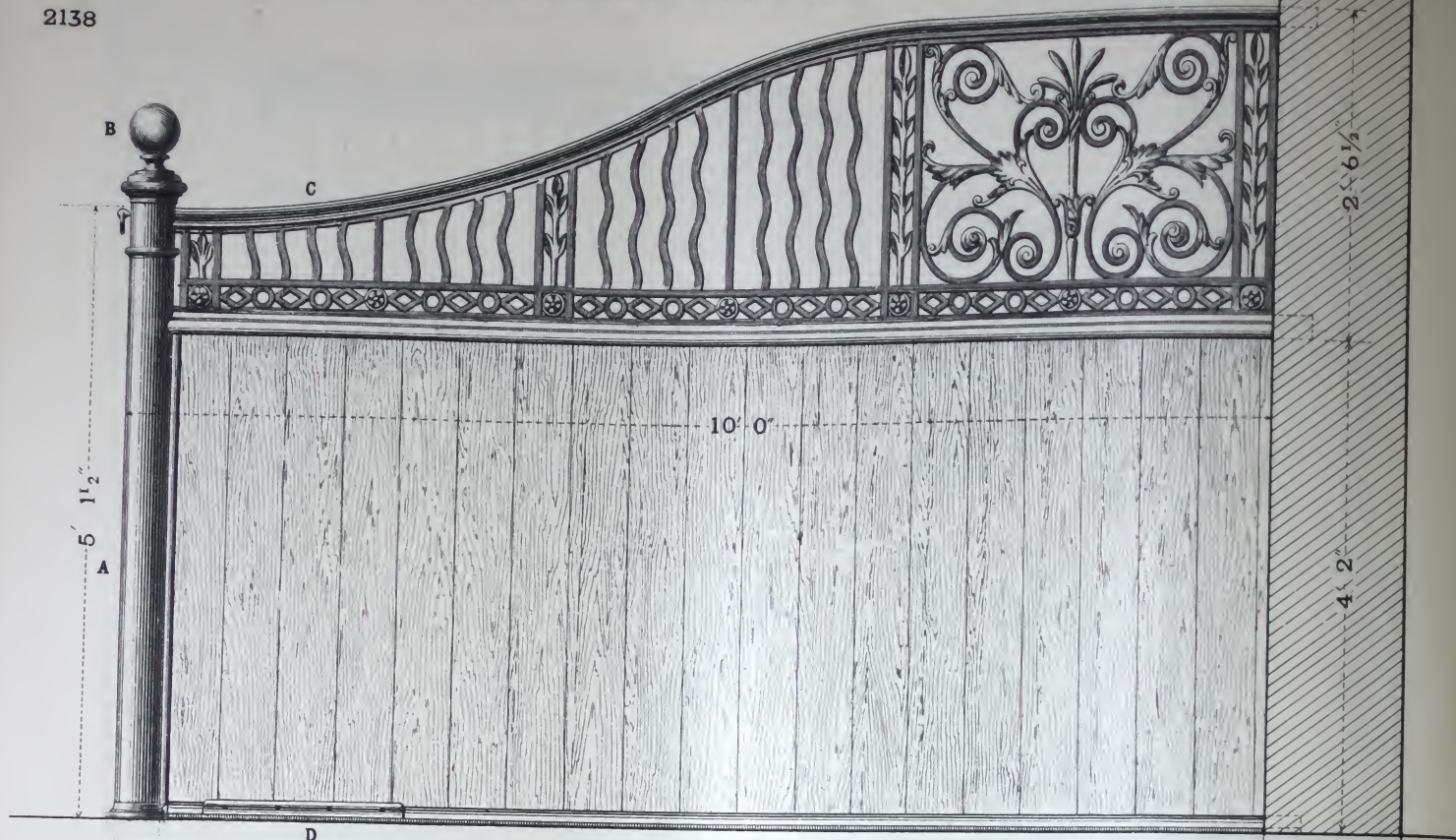
D Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes to Order.

Section of NO. 4 Sill.

SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

2138



- A NO. 8 POST, 4 1/2" Dia. Can also be supplied 4", 5", and 6" Dia. [to Order.]
- B NO. 11 HEAD. to suit.
- C NO. 59 STALL DIVISION
- D NO. 4 SILL.
- E NO. 60 LOOSE BOX DIVISION,

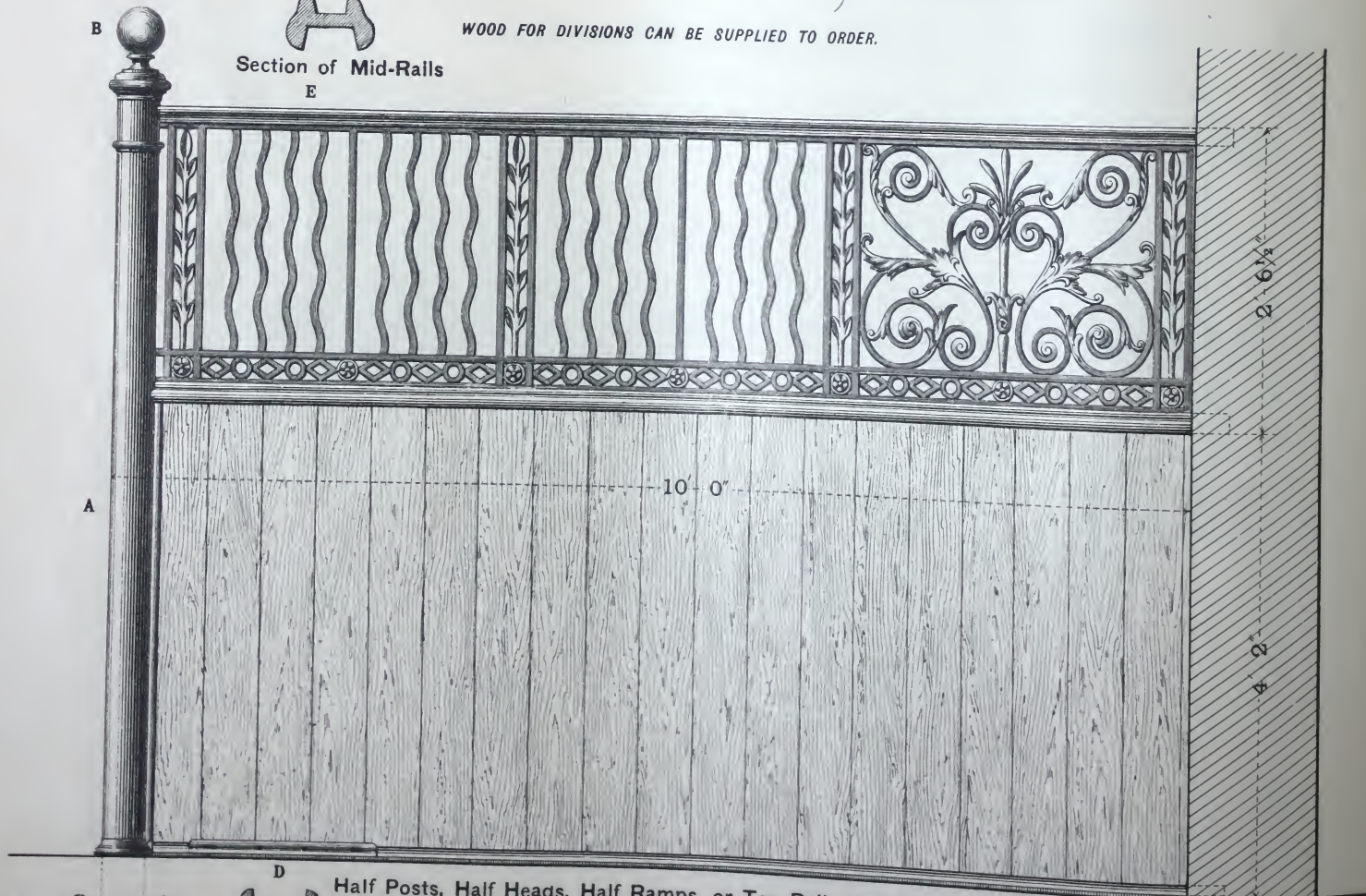
Prepared for 1 1/2" Wood.

Can also be supplied for 1 3/4" and 2" Wood.



WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.

Section of Mid-Rails
E



Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes to Order.

Section of NO. 4 Sill.

SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

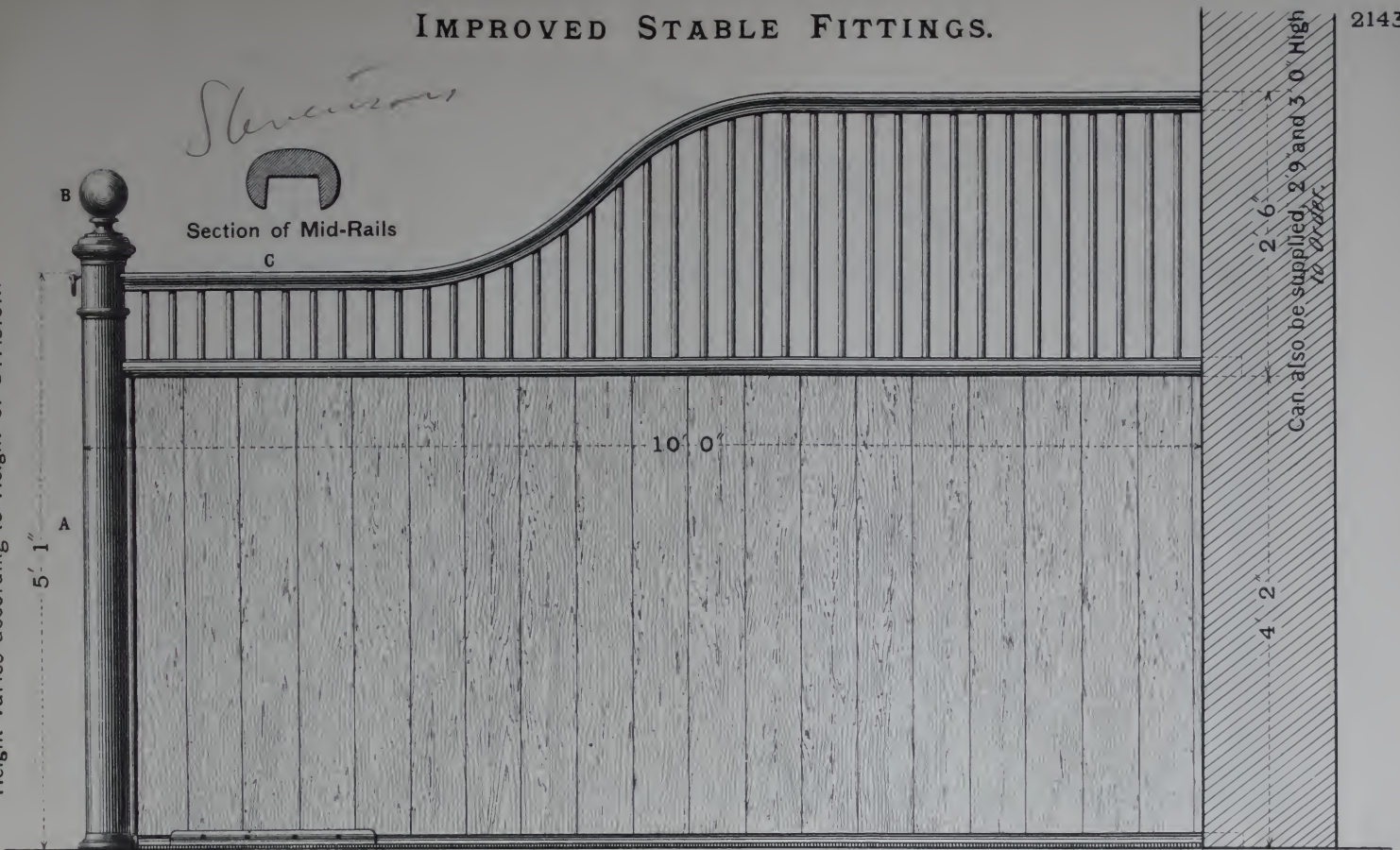
2143

Stevenson

Section of Mid-Rails

C

Height varies according to Height of Division.



A No. 8 POST, 4½" Dia. Can also be supplied 4", 5", and 6" Dia.
B No. 11 HEAD to suit [to Order]

C No. 11 STALL DIVISION.

with 5/8" wrot. Iron Bars at 3" Centres, Can also be supplied with Solid Head Plate. as No. 47 to Order

D No. 4 SILL.

E No. 47 LOOSE BOX DIVISION,

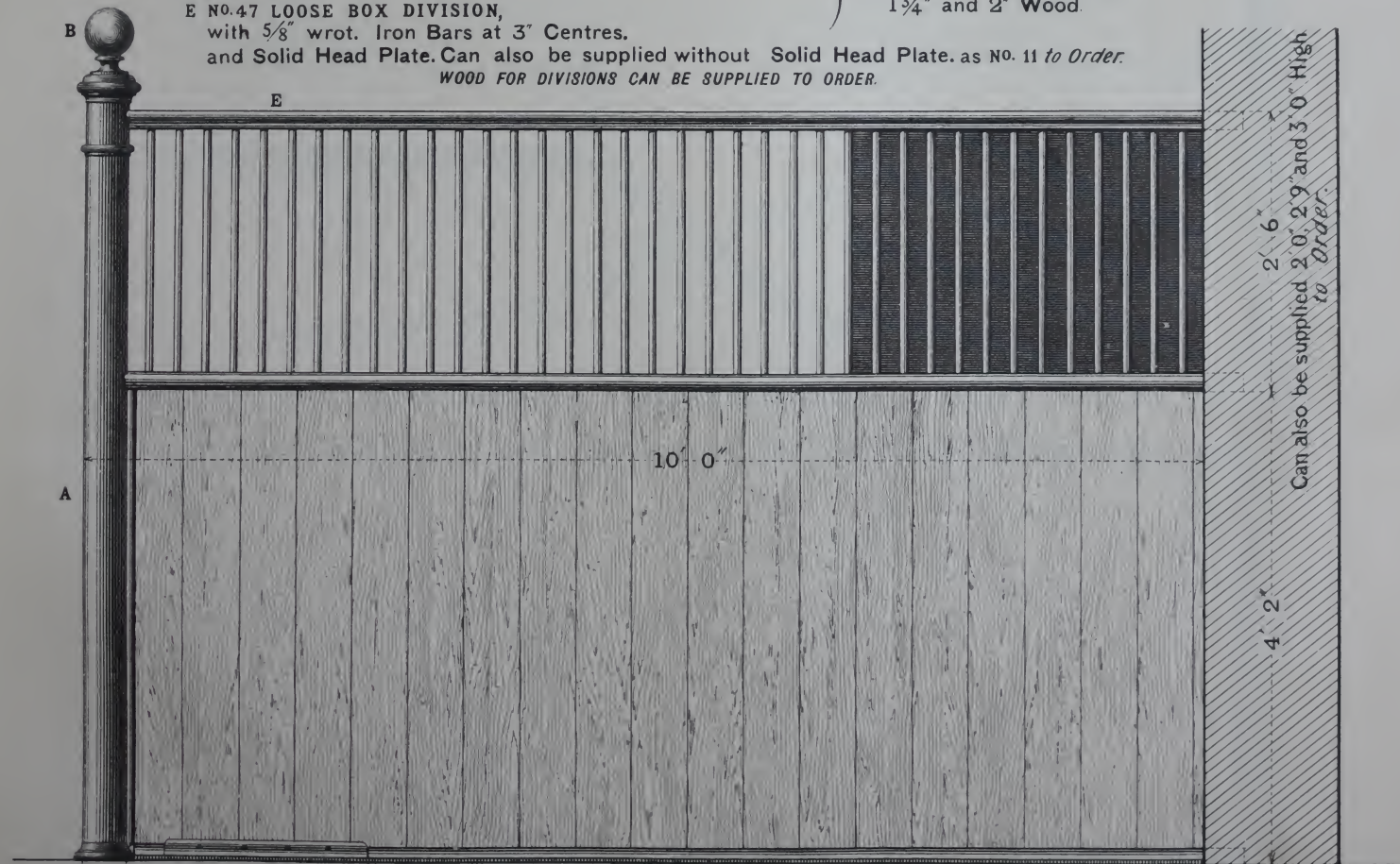
with 5/8" wrot. Iron Bars at 3" Centres.

and Solid Head Plate. Can also be supplied without Solid Head Plate. as No. 11 to Order.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.

Prepared for 1½" Wood

Can also be supplied for 1¾" and 2" Wood.



E

D

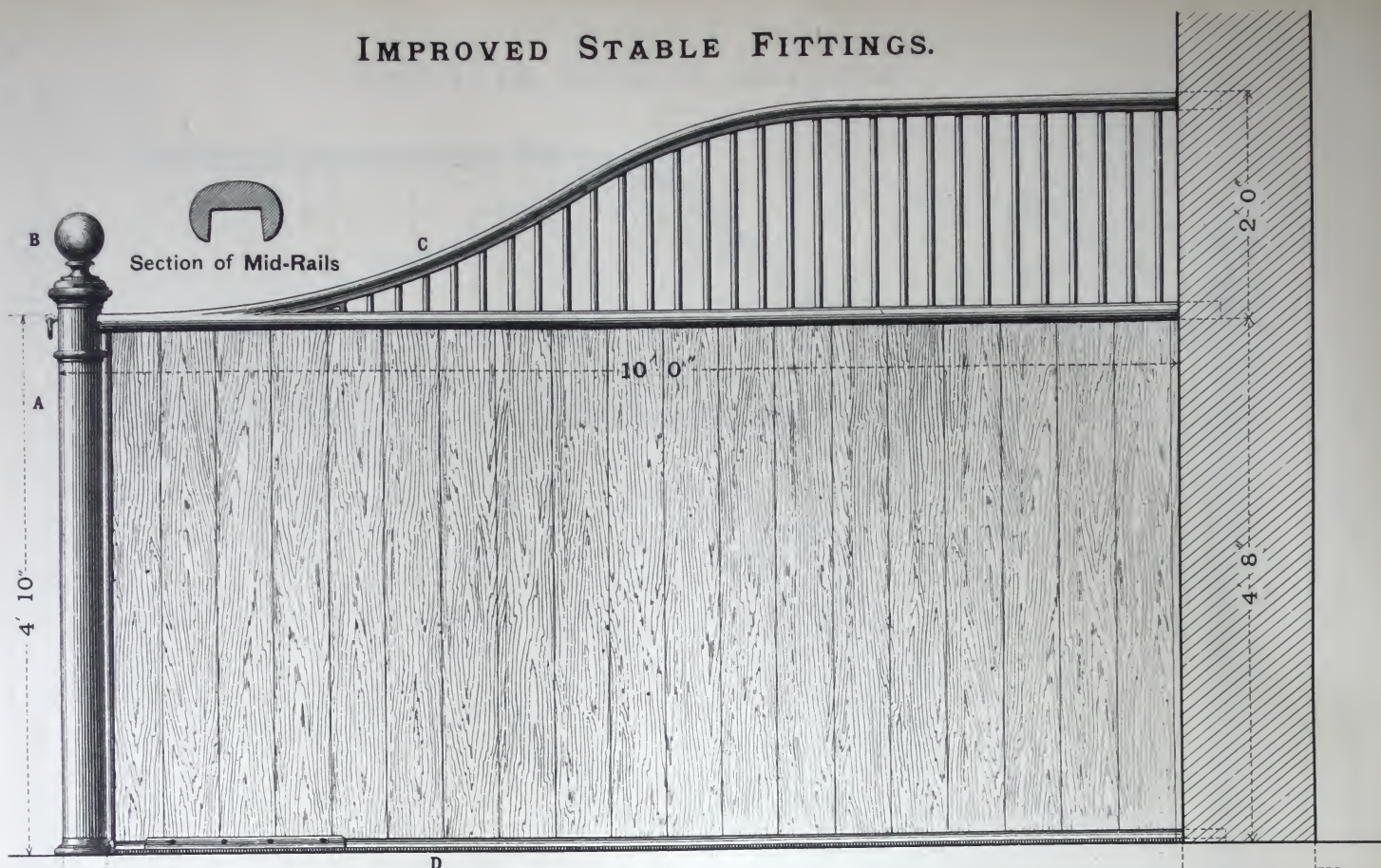
Half Posts, Half Heads, Half Ramps or Top Rails Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes to Order.

Section of NO. 4 SILL.

SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

2144



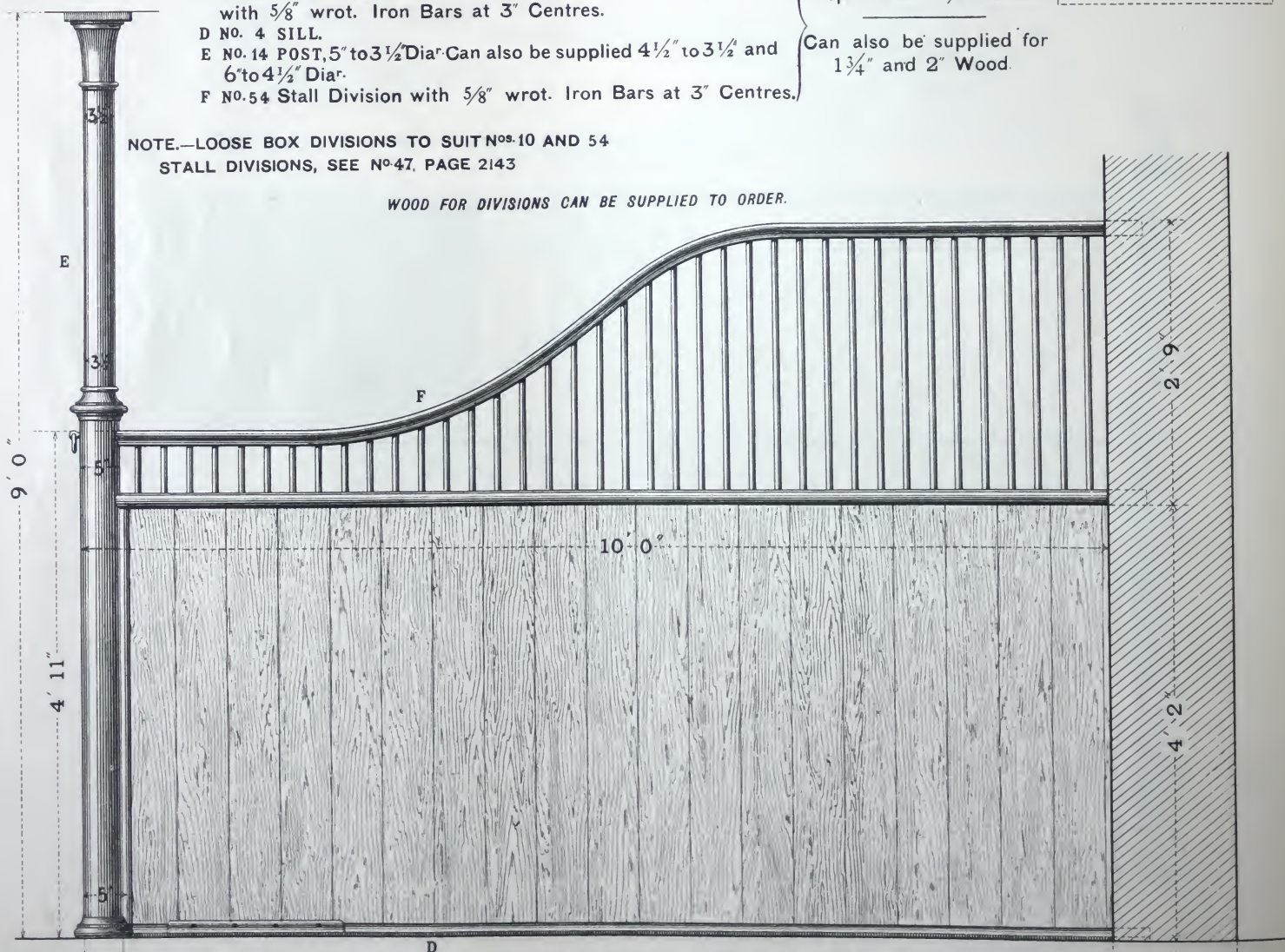
- A NO. 8 POST, 4½" Dia. Can also be supplied 4", 5", and 6" Dia. [to Order.
- B NO. 11 HEAD, to suit
- C NO. 10 Stall Division with 5/8" wrot. Iron Bars at 3" Centres.
- D NO. 4 SILL.
- E NO. 14 POST, 5" to 3½" Dia. Can also be supplied 4½" to 3½" and 6" to 4½" Dia.
- F NO. 54 Stall Division with 5/8" wrot. Iron Bars at 3" Centres.

Prepared for 1½" Wood

Can also be supplied for 1¾" and 2" Wood.

NOTE.—LOOSE BOX DIVISIONS TO SUIT NOS. 10 AND 54
STALL DIVISIONS, SEE NO. 47, PAGE 2143

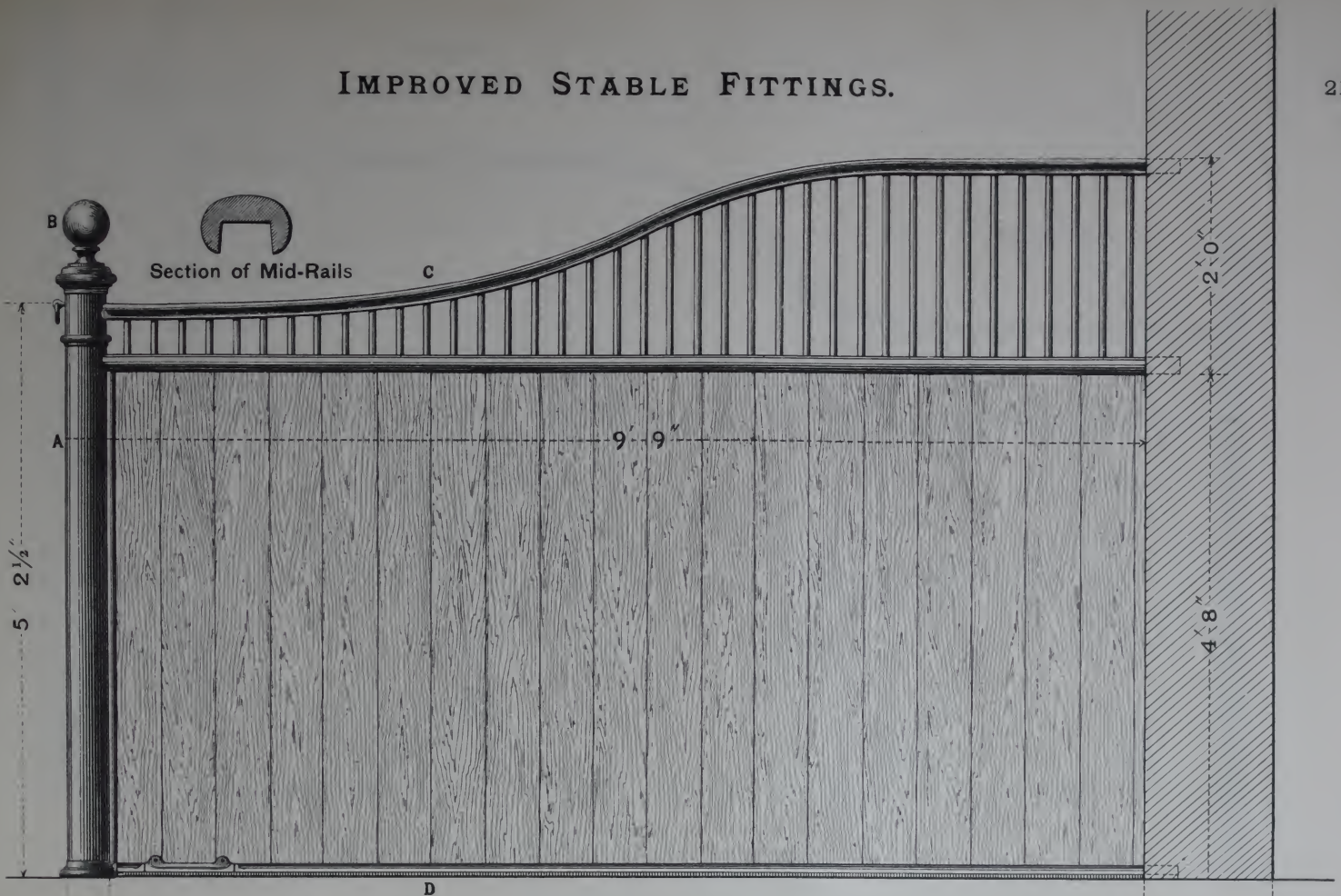
WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



Section of NO. 4 Sill.

Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes to Order.

SIZES AND PROPORTIONS CAN BE VARIED.



- A NO. 8 POST, 4 1/2" Dia. Can also be supplied 4", 5", and 6" Dia. [to Order.]
- B NO. 11 HEAD. to suit
- C NO. 12 Stall Division with 5/8" wrot. Iron Bars at 3' Centres.
- D NO. 3 SILL.
- E NO. 20 Stall Division with 5/8" wrot. Iron Bars at 3' Centres. and Solid Head Plate.

Prepared for 1 1/2" Wood.

Can also be supplied for 1 3/4" and 2" Wood.

NOTE.—LOOSE BOX DIVISIONS TO SUIT NOS. 12 AND 20, STALL DIVISIONS, SEE NO 47 PAGE 2143.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.

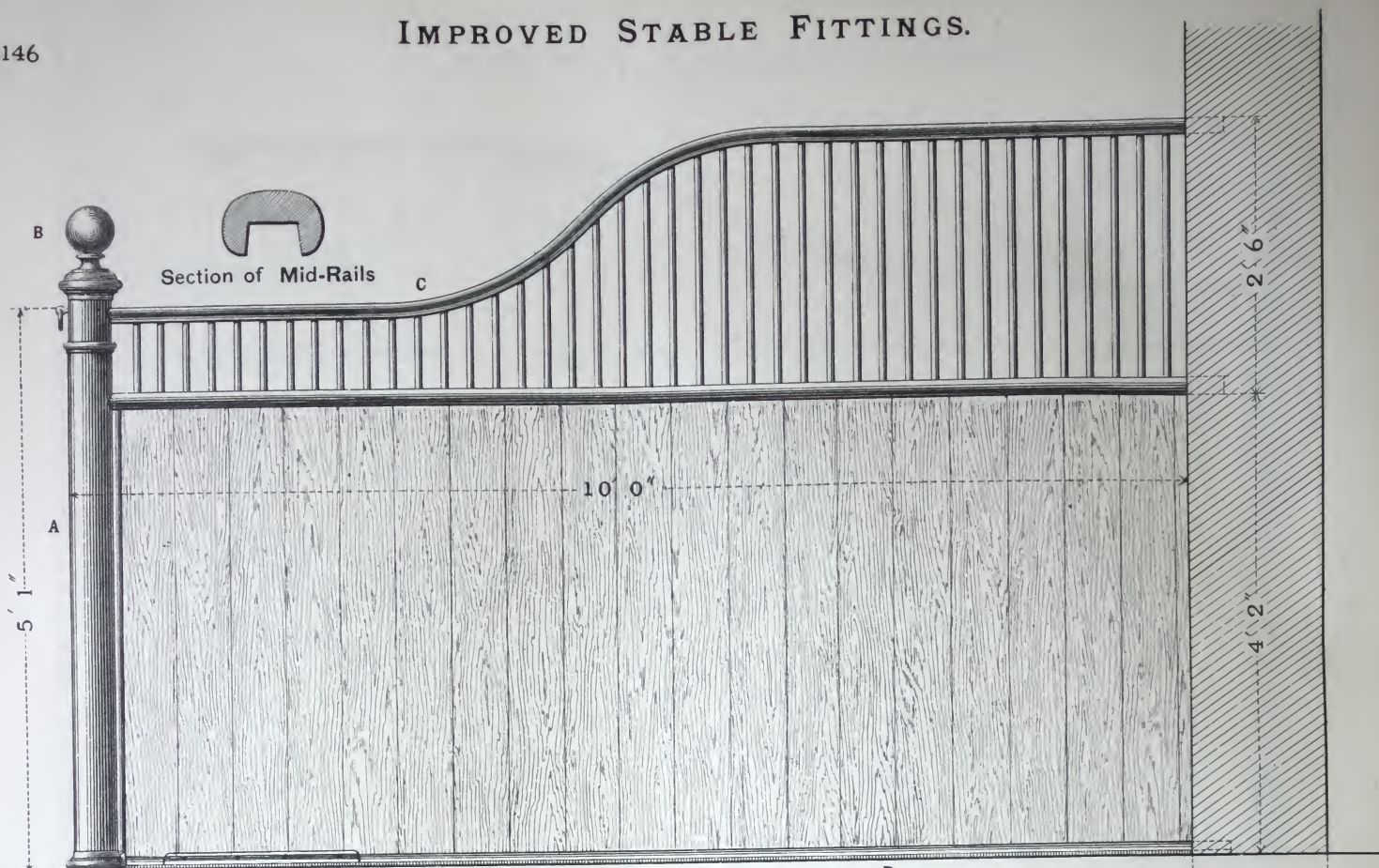


Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes to Order.

Section of NO. 3 Sill.

SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

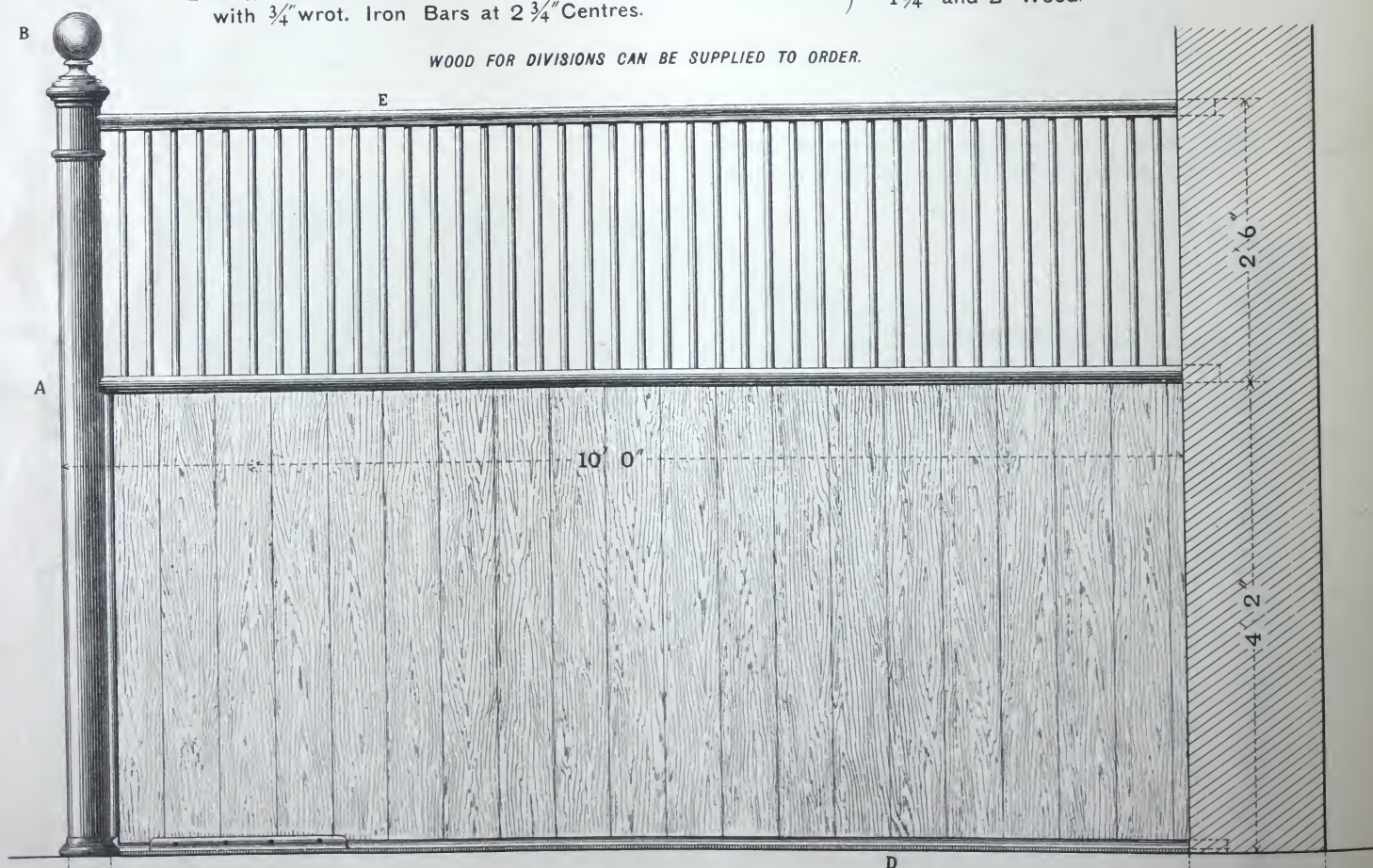


- A NO. 8 POST, 4½" Dia. Can also be supplied 4", 5", and 6" Dia. [to Order].
 B NO. 11 HEAD. to suit
 C NO. 41 Stall Division with ¾" wrot. Iron Bars at 2¾" Centres.
 D NO. 4 SILL.
 E NO. 42 Loose Box Division.
 with ¾" wrot. Iron Bars at 2¾" Centres.

Prepared for 1½" Wood.

Can also be supplied for
 1¾" and 2" Wood.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills
 for Wall can be supplied to suit 1" Wood. Other sizes to Order.
 Section of NO. 4 Sill.

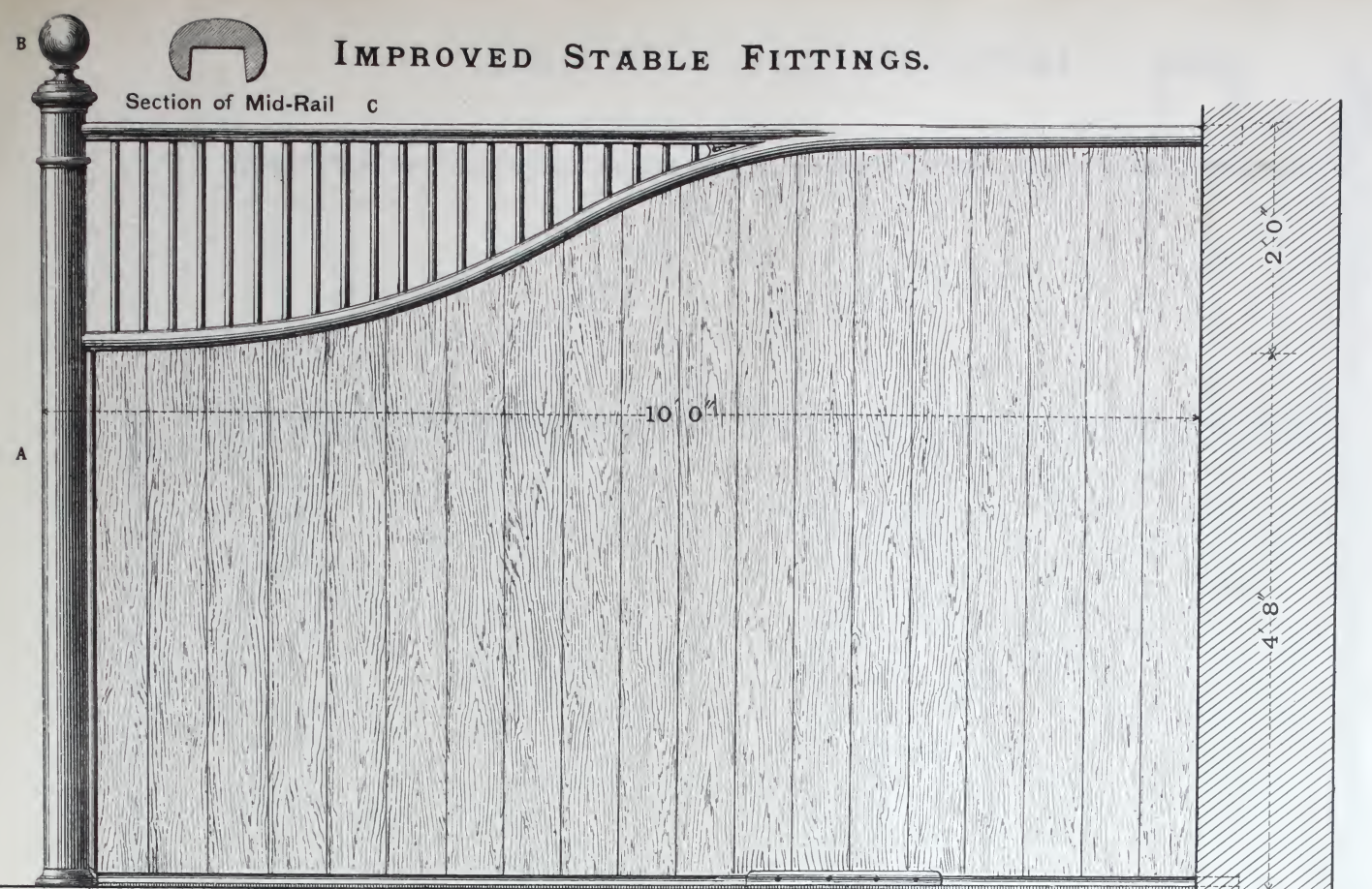
SIZES AND PROPORTIONS CAN BE VARIED.



IMPROVED STABLE FITTINGS.

Section of Mid-Rail c

2147



- A NO. 8 POST, 4 1/2" Dia. Can also be supplied 4", 5", and 6" Dia.
- B NO. 11 HEAD. to suit [to Order]
- C NO. 65 INVERTED LOOSE BOX DIVISION, with 5/8" wrot. Iron Bars at 3" Centres. Curve suits NOS 10, and 87 Stall Divisions, also NO. 10 Ramp.
- D NO. 6 SILL.
- E NO. 66 INVERTED LOOSE BOX DIVISION, with 5/8" wrot. Iron Bars at 3" Centres. Curve suits NOS. 11, 23, 25, 41, 62 and 79 Stall Divisions. also NO. 11 Ramp.

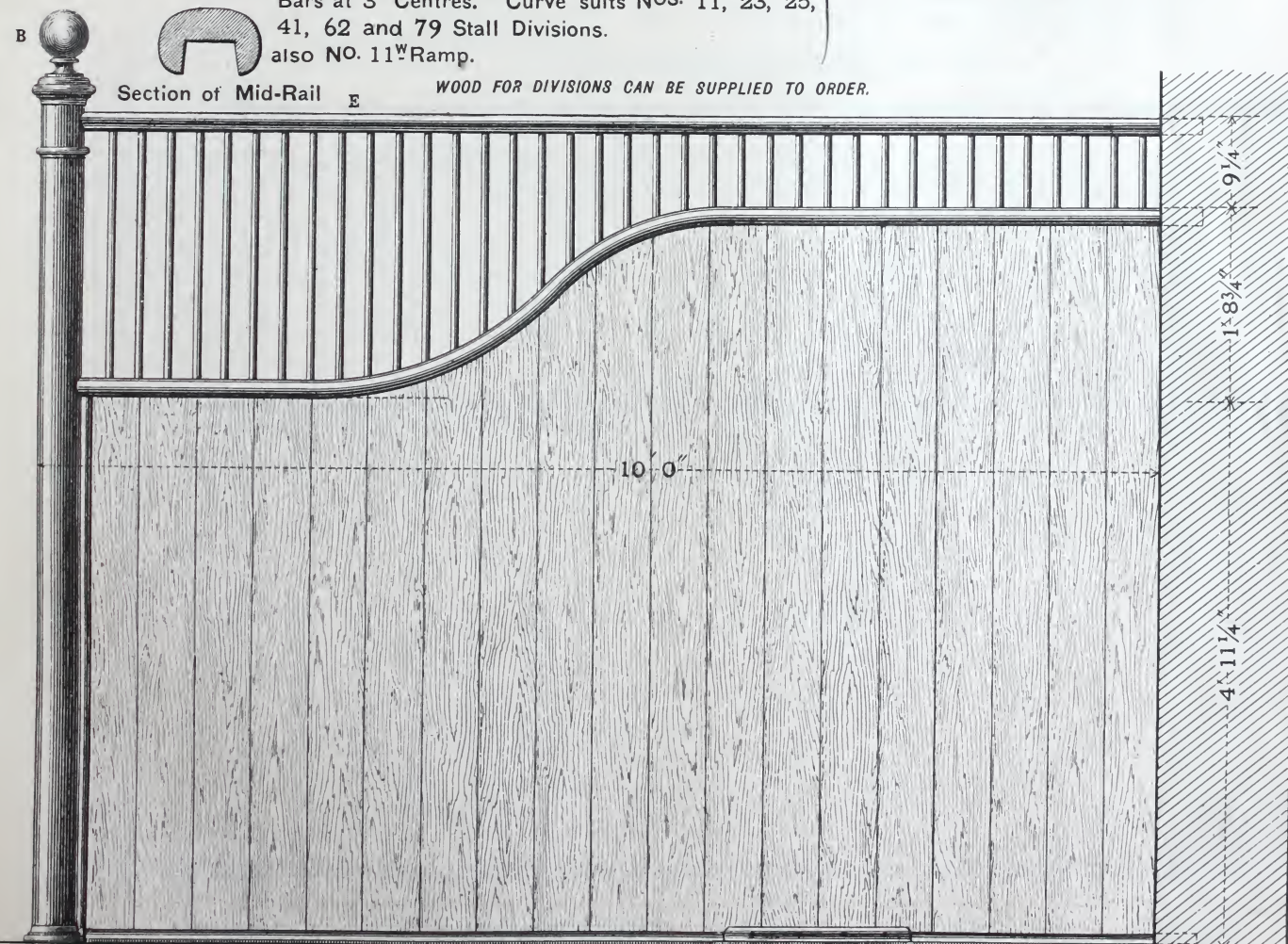
Prepared for 1 1/2" Wood.

Can also be supplied for 1 3/4" and 2" Wood.



Section of Mid-Rail E

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



NOTE.—Loose Box Posts can be lowered so that Top RAIL of No. 66 Inverted Loose Box Division lines with RAMPS or TOP RAILS of Stall Divisions AT WALL, to Order.



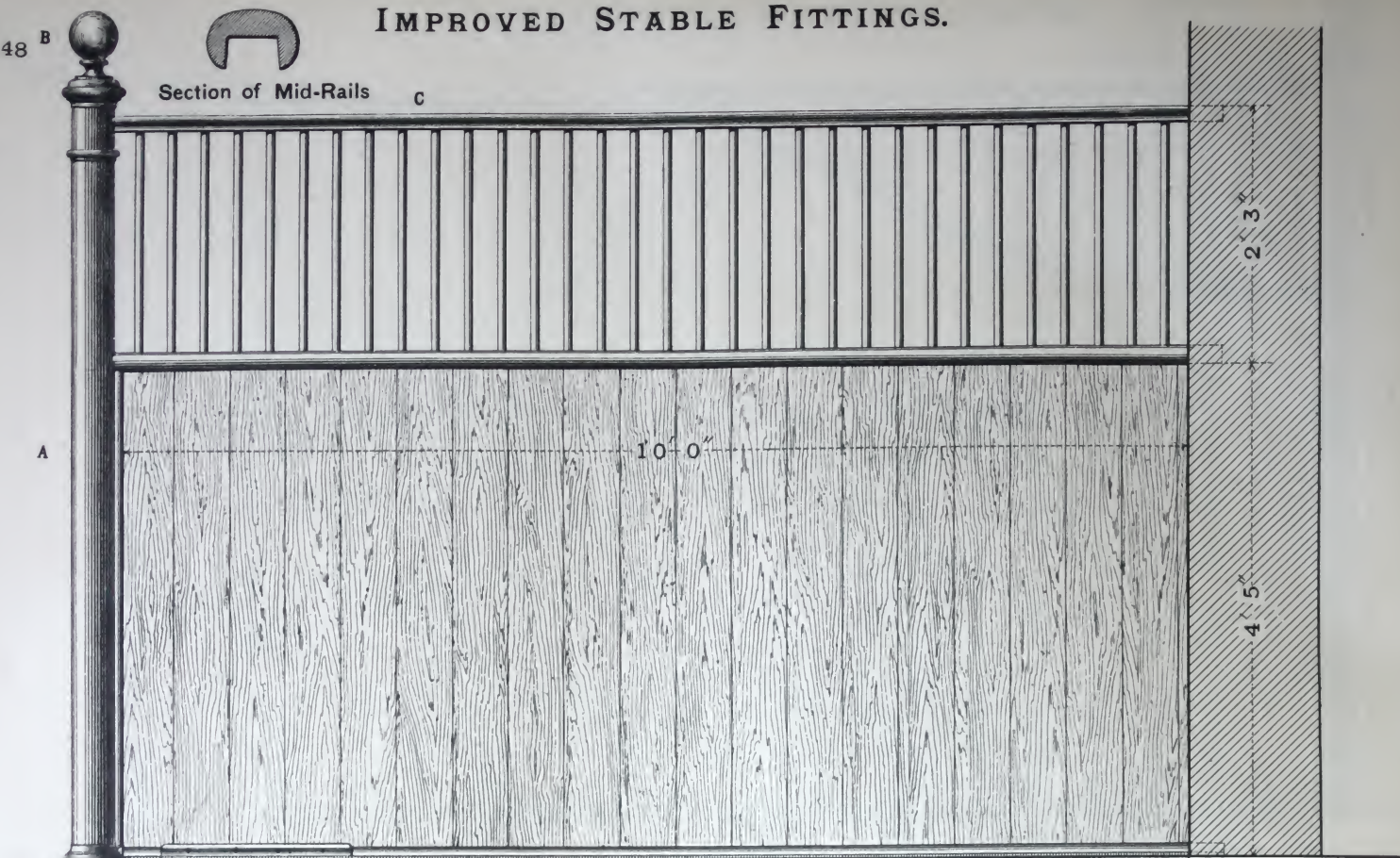
Section of NO. 6 Sill. Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes to Order.

SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

Section of Mid-Rails

c



D

A NO. 8 POST, 4½" Dia. Can also be supplied 4", 5", and 6" Dia. [to Order.]

B NO. 11 HEAD, to suit

C NO. 44 LOOSE BOX DIVISION, with ¾" wrot. Iron Bars at 3½" Centres.

D NO. 4 SILL.

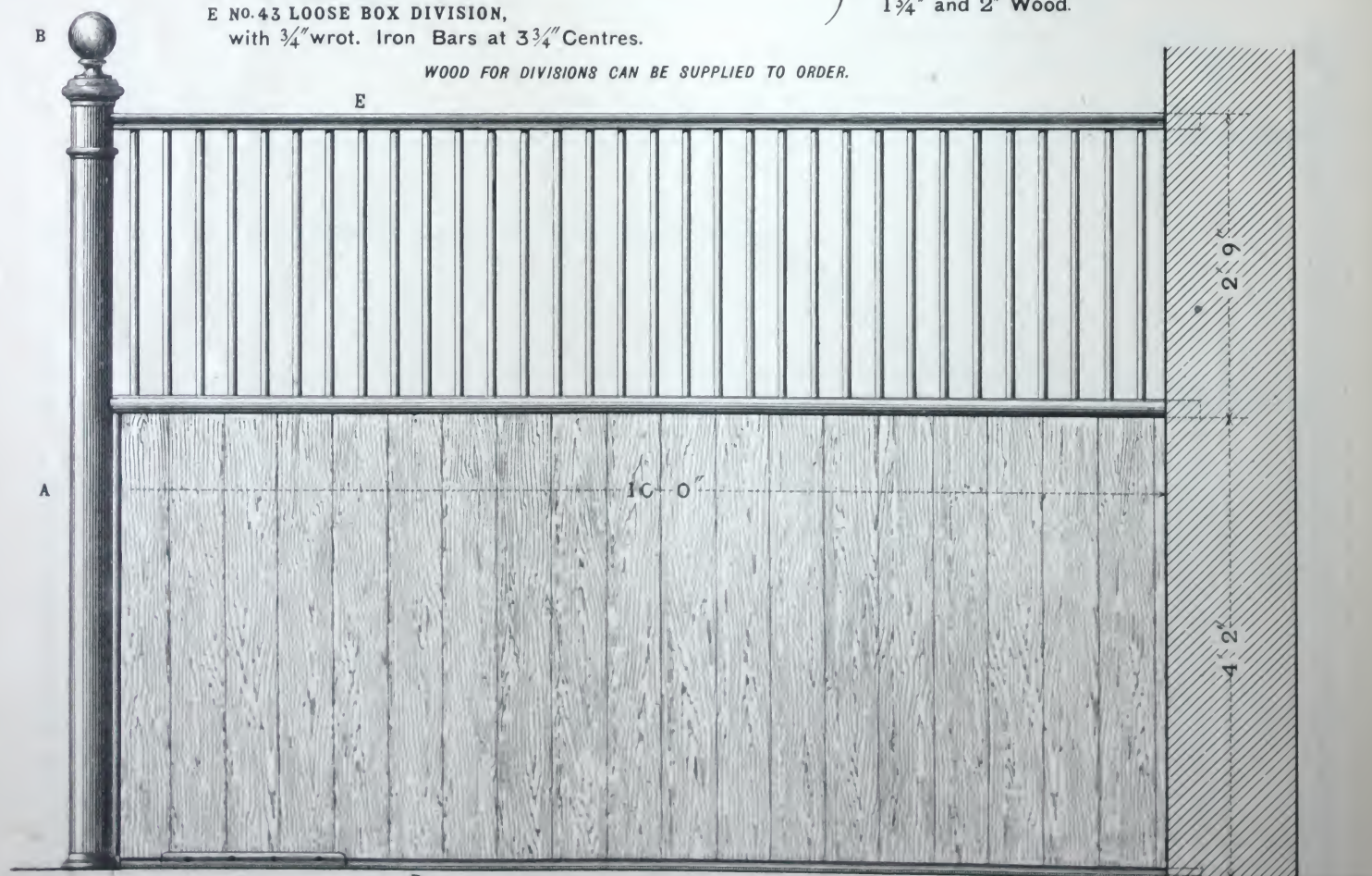
E NO. 43 LOOSE BOX DIVISION, with ¾" wrot. Iron Bars at 3¾" Centres.

Prepared for 1½" Wood.

Can also be supplied for 1¾" and 2" Wood.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.

E



D

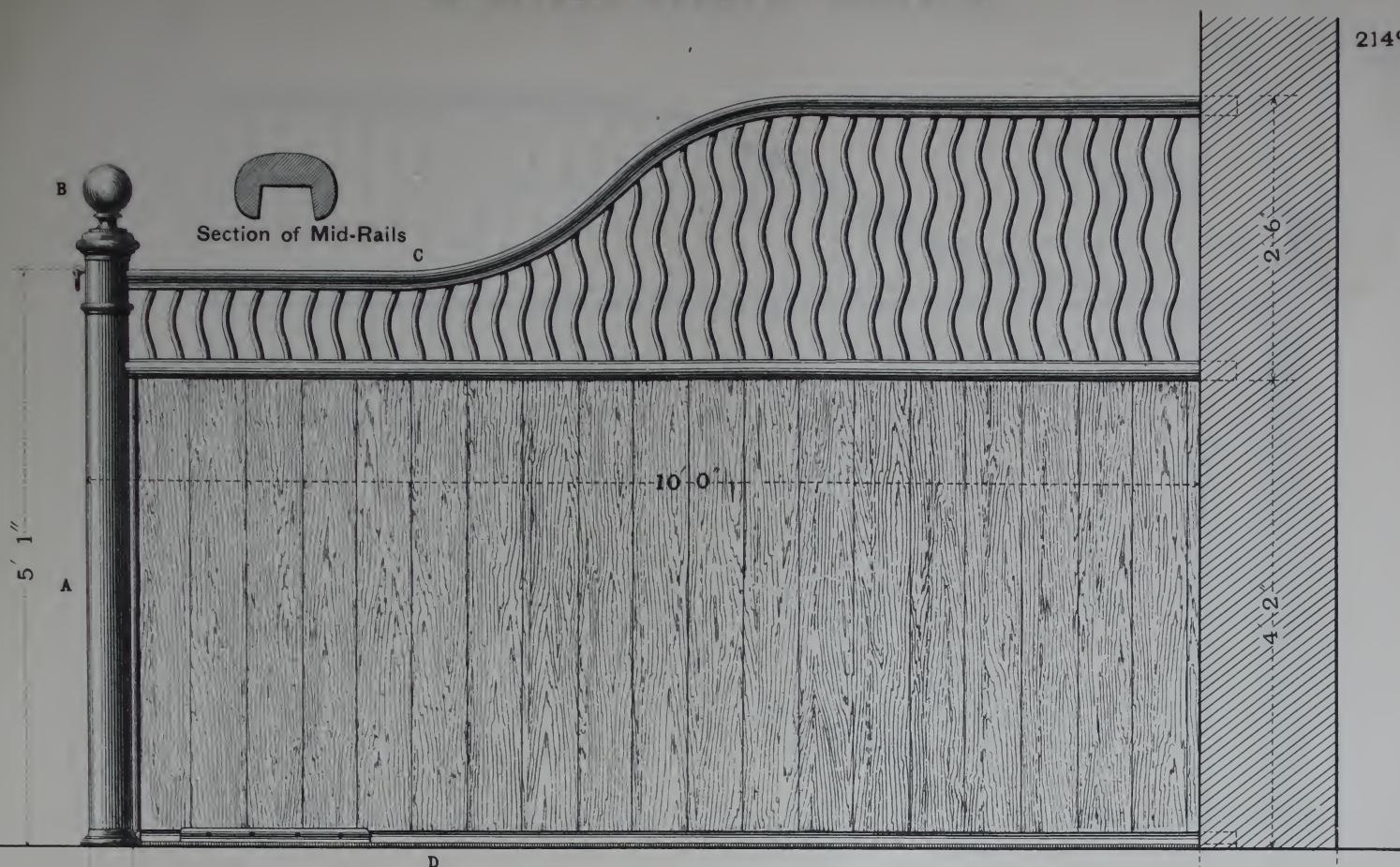
Half Posts, Half Heads, Half Ramps or Top Rails. Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes to Order.

Section of NO. 4 Sill.

SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

2149



A NO. 8 POST, 4½" Dia. Can also be supplied 4", 5", and 6" Dia. [to Order.]

B NO. 11 HEAD, to suit

C NO. 79 STALL DIVISION, with 5/8" wrot. Iron Bars at 3" Centres. Can also be supplied with Solid Head Plate. as NO. 82 to Order.

D NO. 4 SILL.

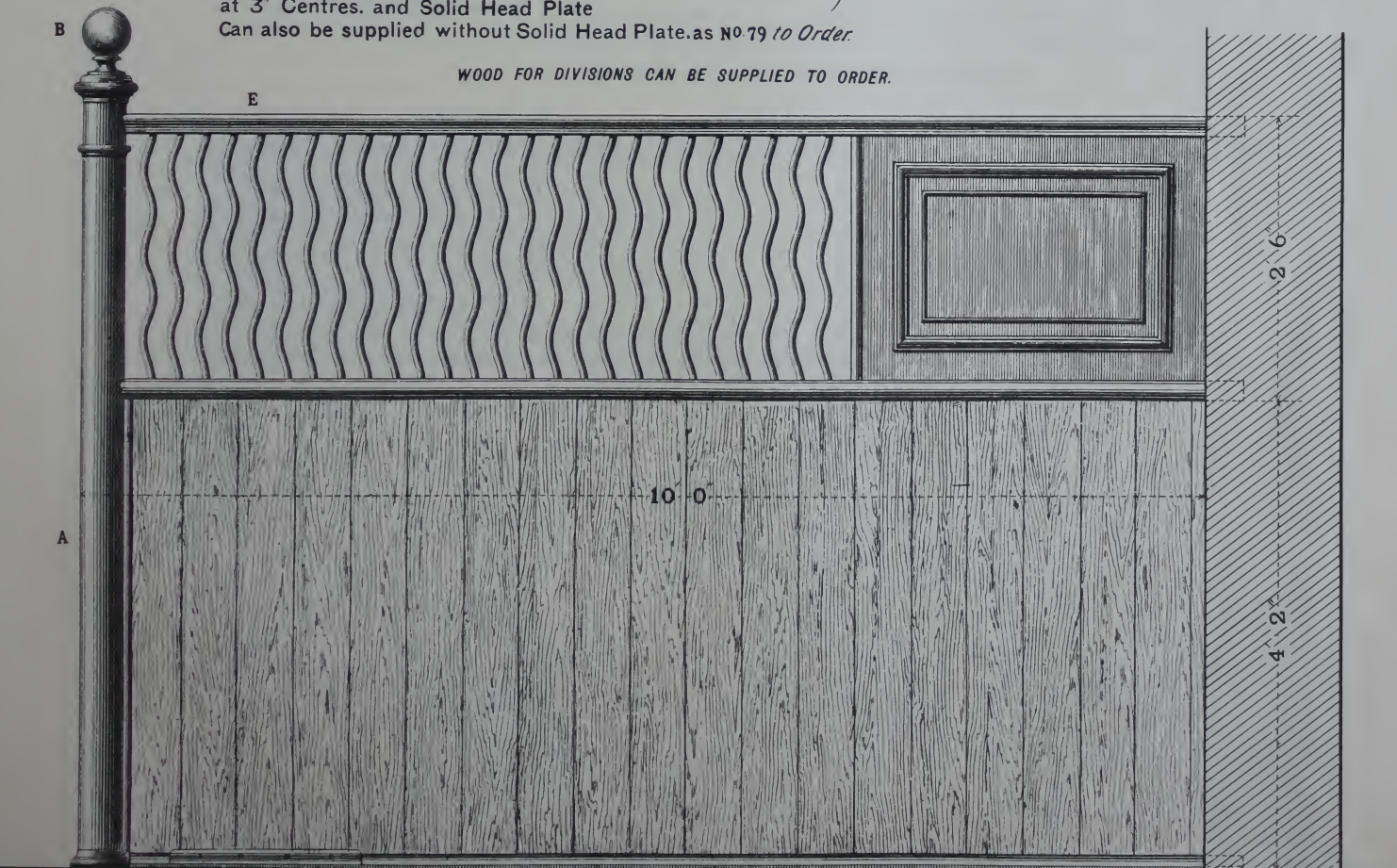
E NO. 82 LOOSE BOX DIVISION, with 5/8" wrot. Iron Bars at 3" Centres. and Solid Head Plate

Can also be supplied without Solid Head Plate. as NO. 79 to Order.

Prepared for 1½" Wood

Can also be supplied for 1¾" and 2" Wood

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



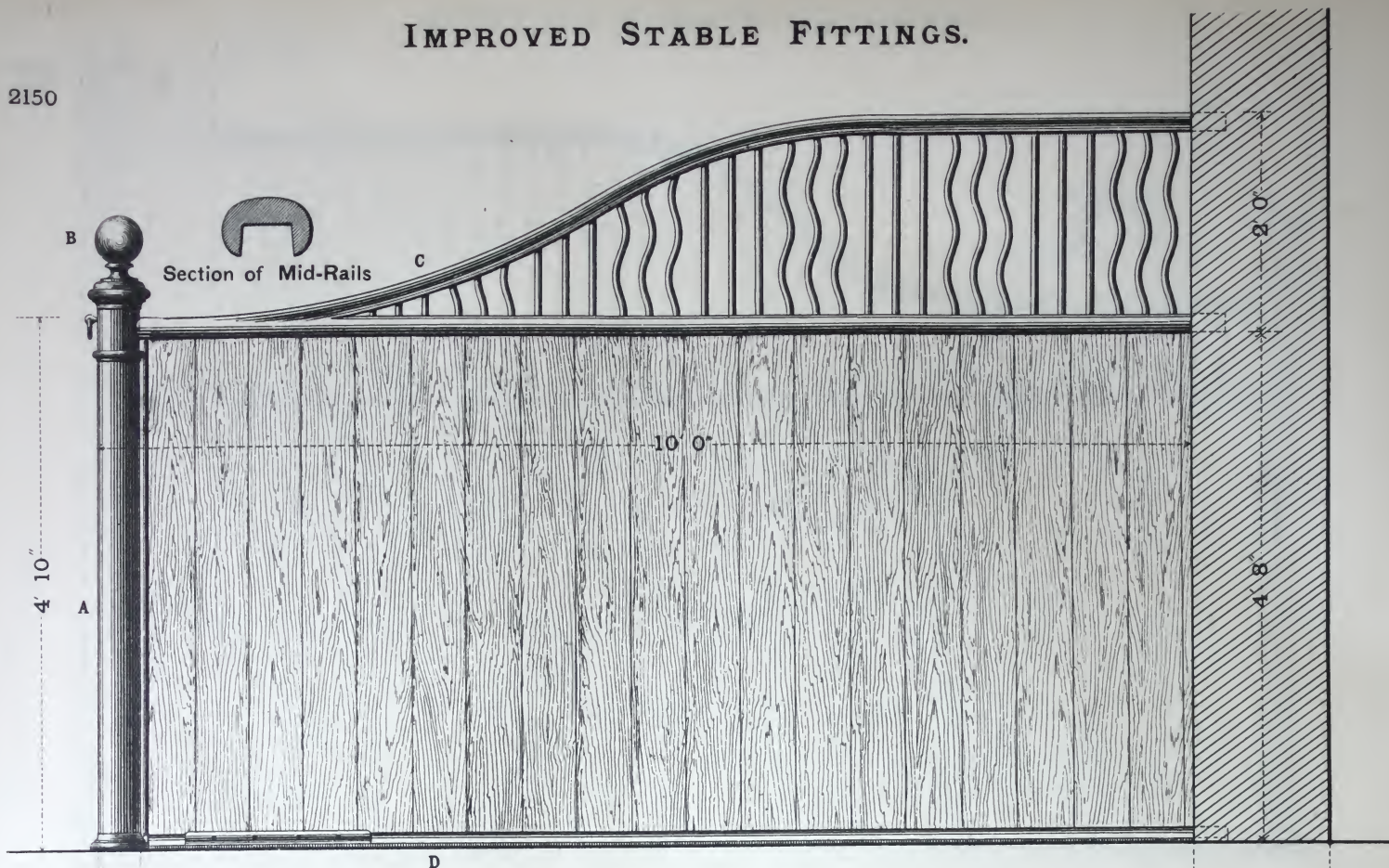
Section of NO. 4 Sill.

Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes to Order.

SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

2150



A No. 8 POST, 4½" Dia. Can also be supplied 4", 5", and 6" Dia.

B No. 11 HEAD. to suit.

[to Order.

C No. 87 STALL DIVISION. with 5/8" wrot. Iron Bars at 3" Centres. Can also be supplied with Solid Head Plate. as No. 90 to Order.

D No. 4 SILL.

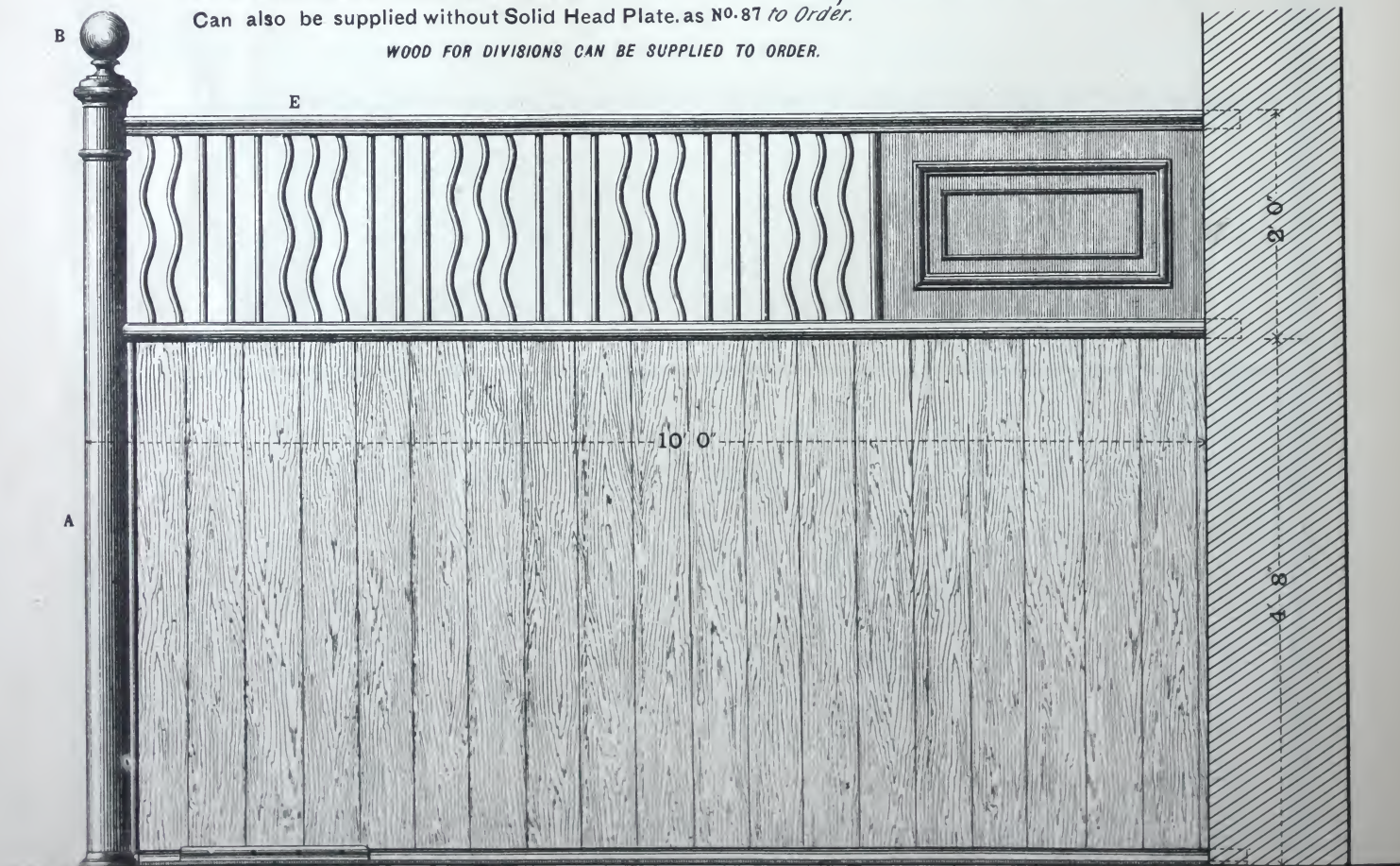
E No. 90. LOOSE BOX DIVISION, with 5/8" wrot. Iron Bars at 3" Centres. and Solid Head Plate.

Can also be supplied without Solid Head Plate. as No. 87 to Order.

Prepared for 1½" Wood.

Can also be supplied for 1¾" and 2" Wood.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



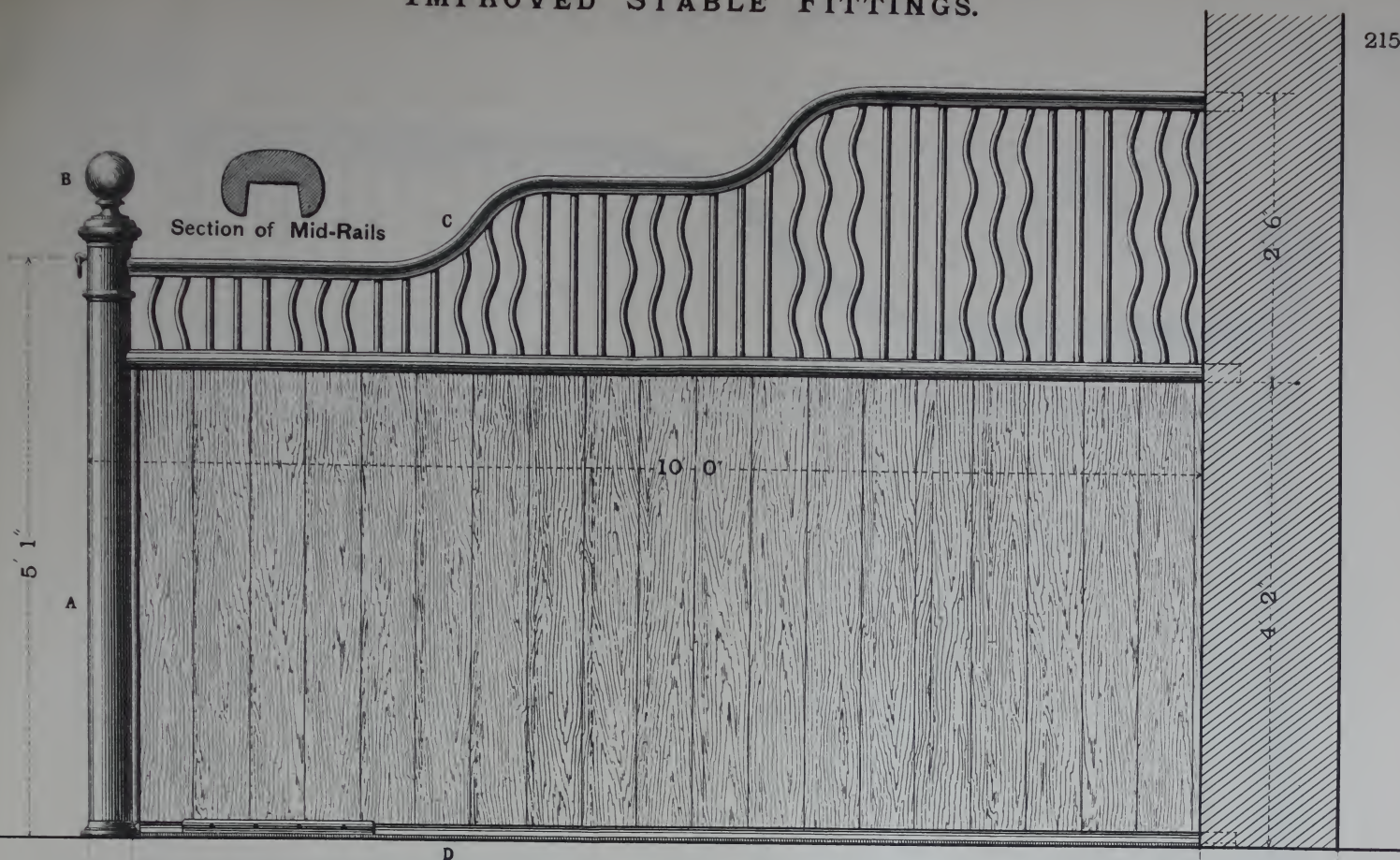
Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes to Order.

Section of NO. 4 Sill.

SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

2151

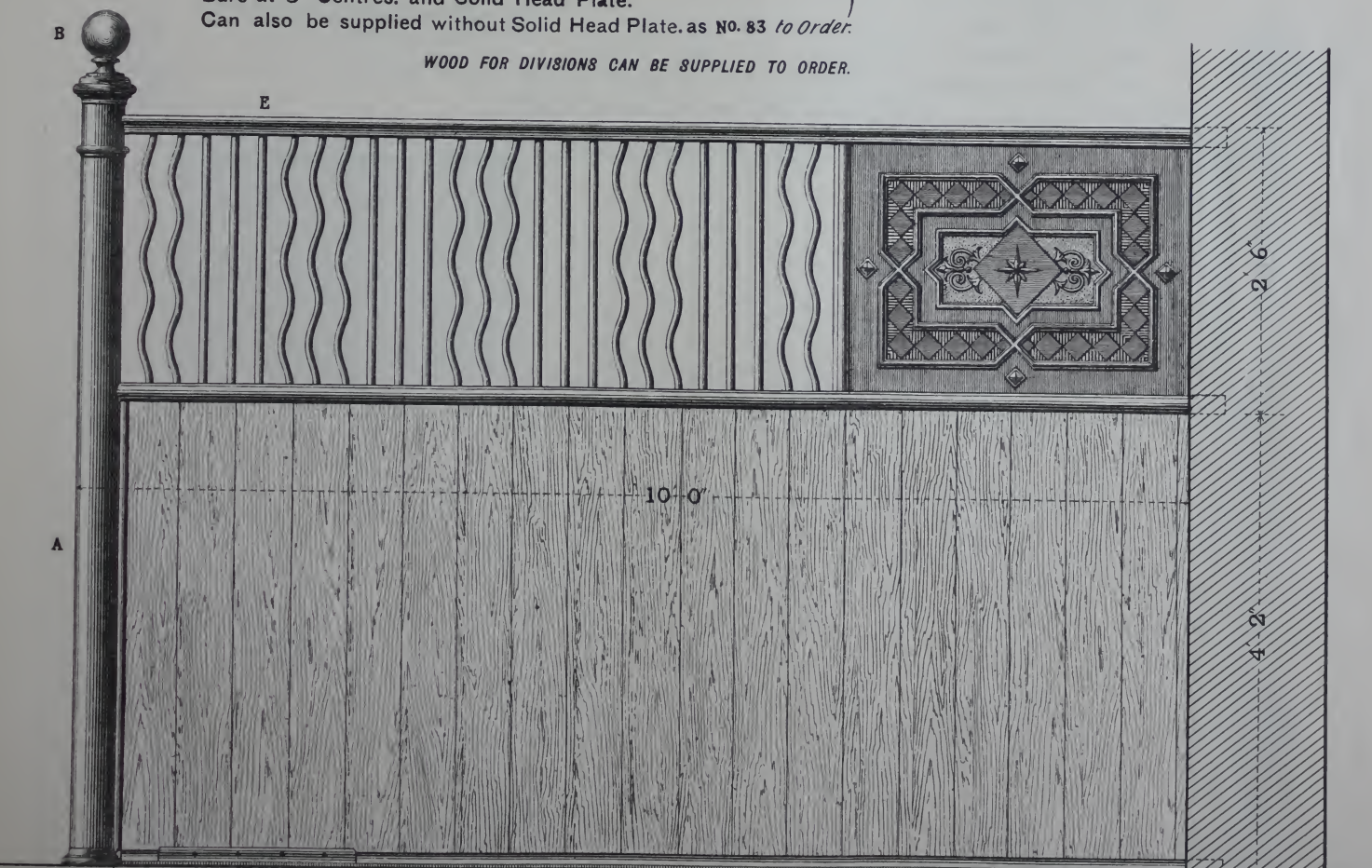


- A NO. 8 POST, 4 1/2" Dia. Can also be supplied 4", 5", and 6" Dia. *to Order.*
- B NO. 11 HEAD. to suit
- C NO. 83 STALL DIVISION with 5/8" wrot. Iron Bars at 3" Centres. Can also be supplied with Solid Head Plate as NO. 86 *to Order.*
- D NO. 4 SILL.
- E NO. 86 LOOSE BOX DIVISION. with 5/8" wrot. Iron Bars at 3" Centres, and Solid Head Plate. Can also be supplied without Solid Head Plate, as NO. 83 *to Order.*

Prepared for 1 1/2" Wood.

Can also be supplied for 1 3/4" and 2" Wood.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



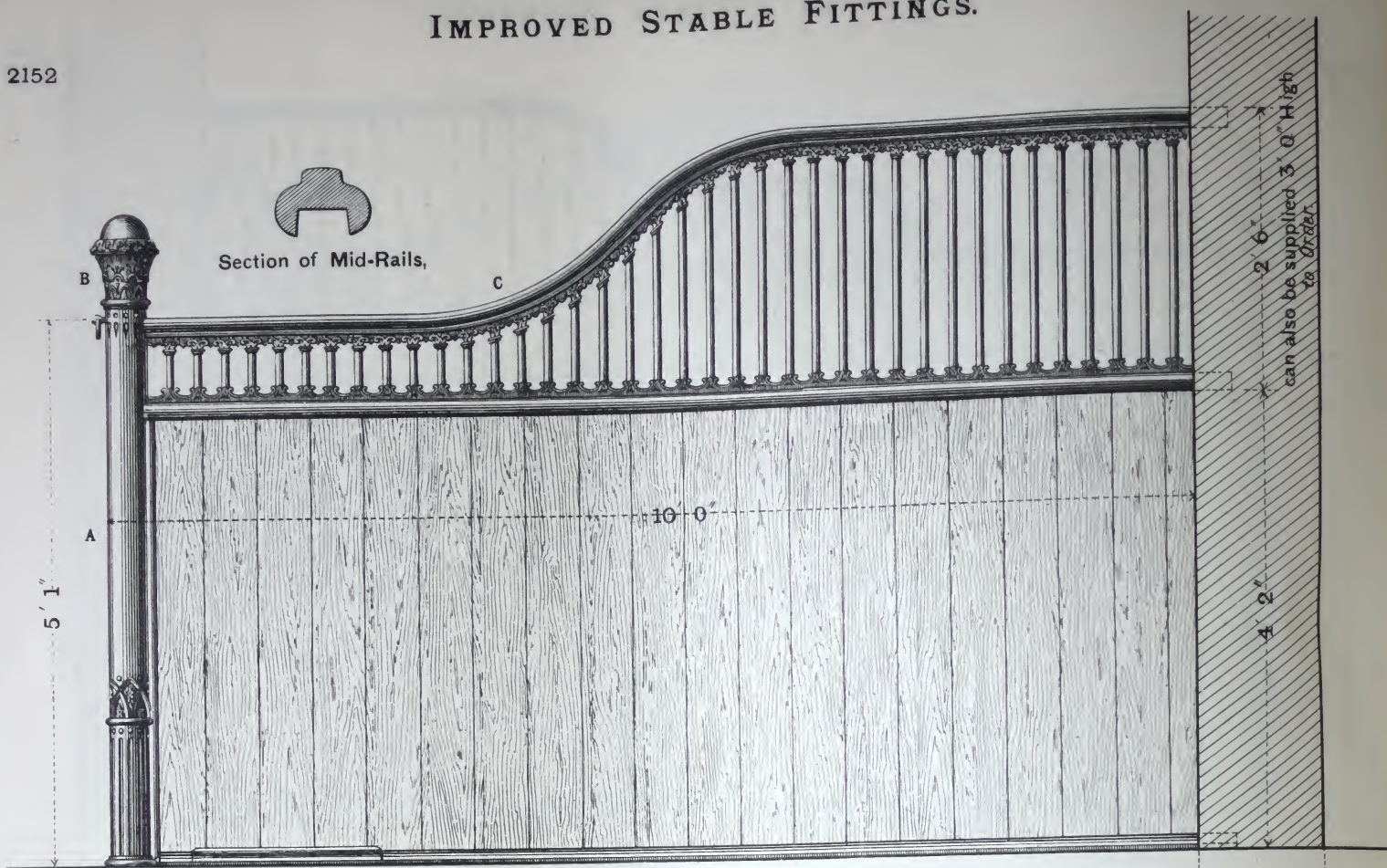
Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes *to Order.*

SIZES AND PROPORTIONS CAN BE VARIED.

Section of NO. 4 Sill.

IMPROVED STABLE FITTINGS.

2152



A NO. 10 POST, $4\frac{1}{2}$ " DIAM.

B NO. 14 HEAD.

C NO. 23 STALL DIVISION, with $\frac{5}{8}$ " Wrought Iron Bars at 3" Centres, 2' 6" High Can also be supplied 3' 0" High and with Solid Head Plate, as NO. 51 to Order.

D NO. 4 SILL.

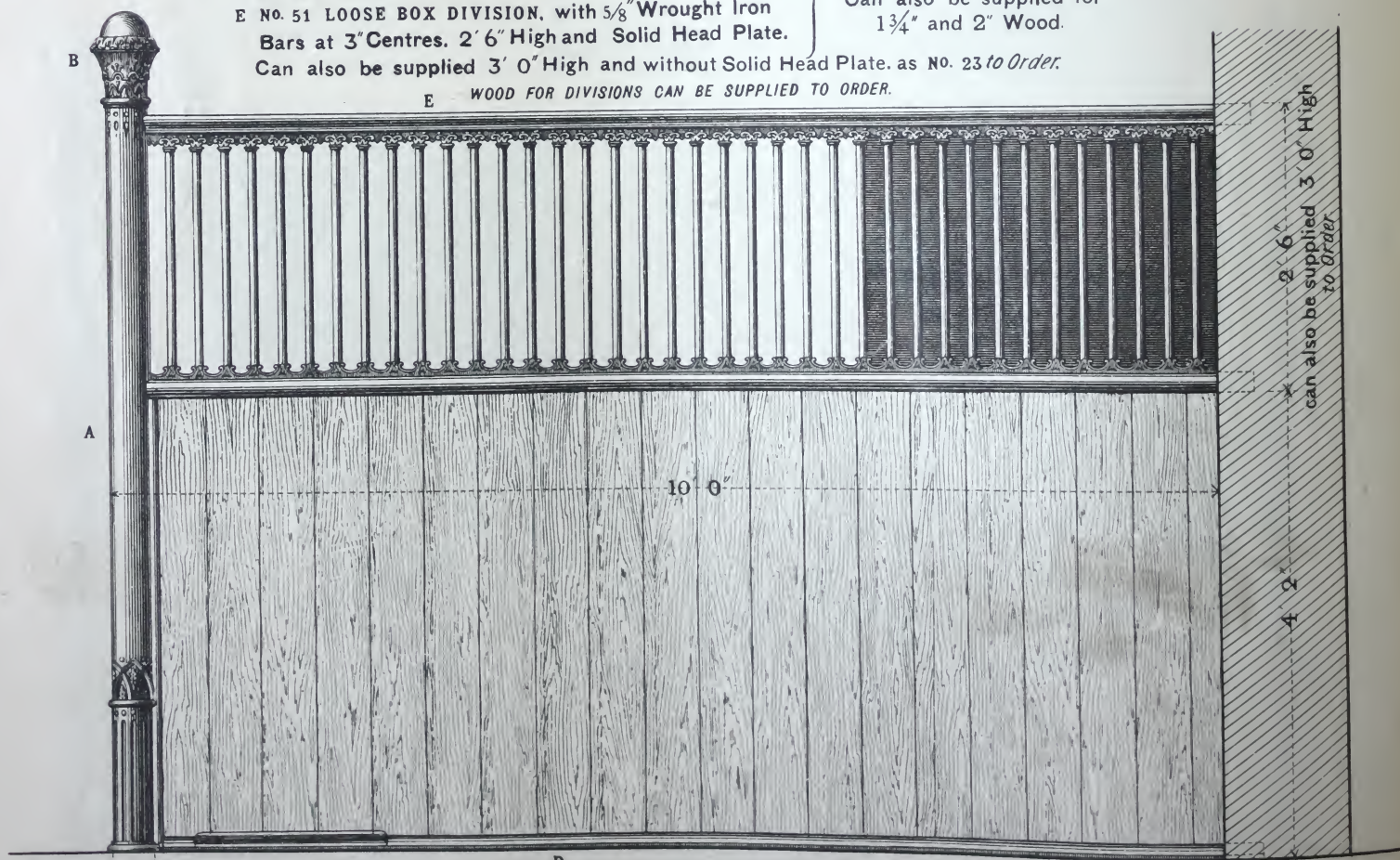
E NO. 51 LOOSE BOX DIVISION, with $\frac{5}{8}$ " Wrought Iron Bars at 3" Centres, 2' 6" High and Solid Head Plate.

Can also be supplied 3' 0" High and without Solid Head Plate, as NO. 23 to Order.

E WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.

Prepared for $1\frac{1}{2}$ " Wood.

Can also be supplied for $1\frac{3}{4}$ " and 2" Wood.



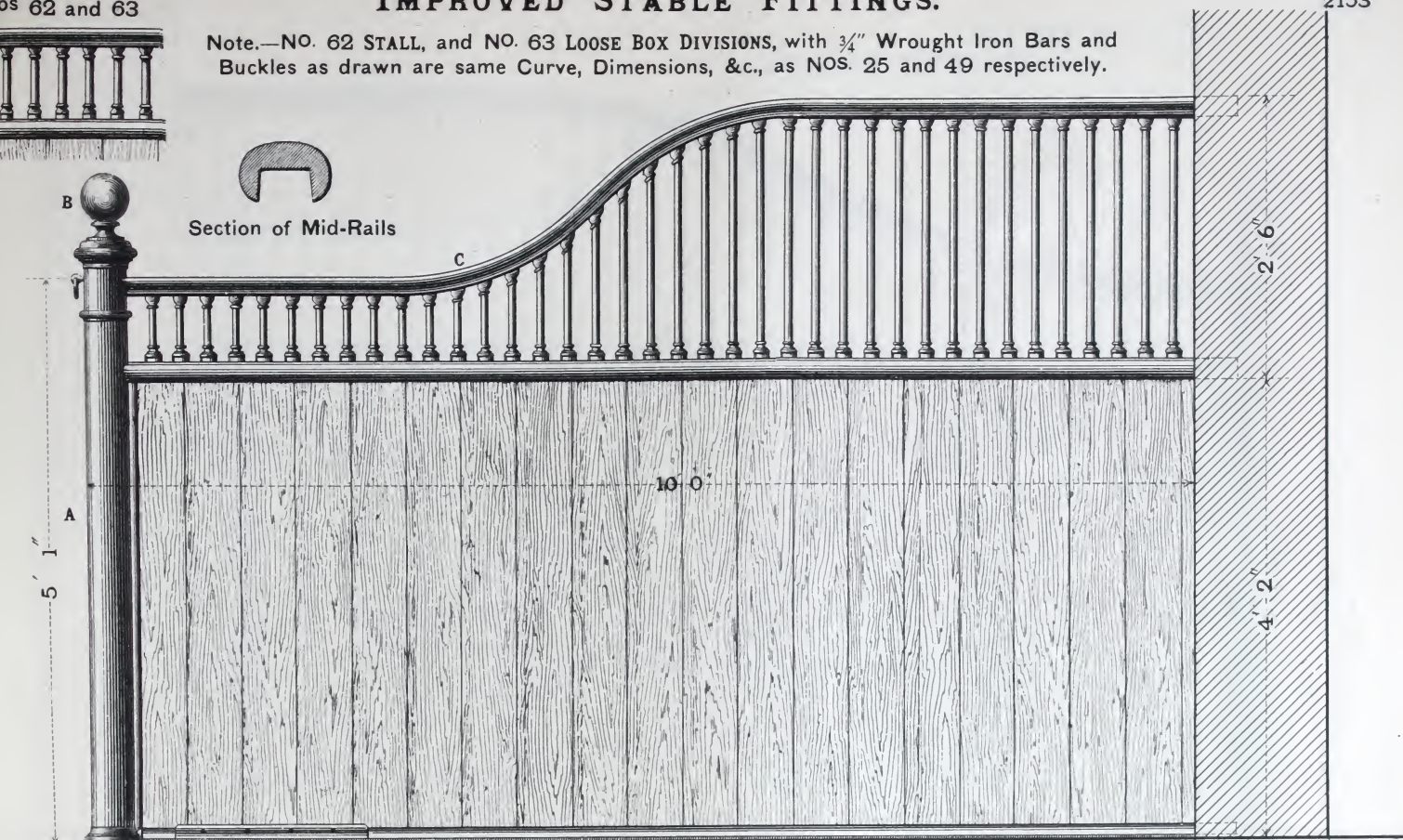
Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes to Order.

SIZES AND PROPORTIONS CAN BE VARIED.

Section of NO. 4 Sill.

IMPROVED STABLE FITTINGS.

Note.—NO. 62 STALL, and NO. 63 LOOSE BOX DIVISIONS, with $\frac{3}{4}$ " Wrought Iron Bars and Buckles as drawn are same Curve, Dimensions, &c., as NOS. 25 and 49 respectively.



A NO. 8 POST, $4\frac{1}{2}$ " Dia. Can also be supplied 4", 5", and 6" Dia.
B NO. 11 HEAD. to suit [to Order.]

C NO. 25 STALL DIVISION. with $\frac{5}{8}$ " wrot. Iron Bars at 3" Centres. Can also be supplied with Solid Head Plate. as NO. 49 to Order.

D NO. 4 SILL.

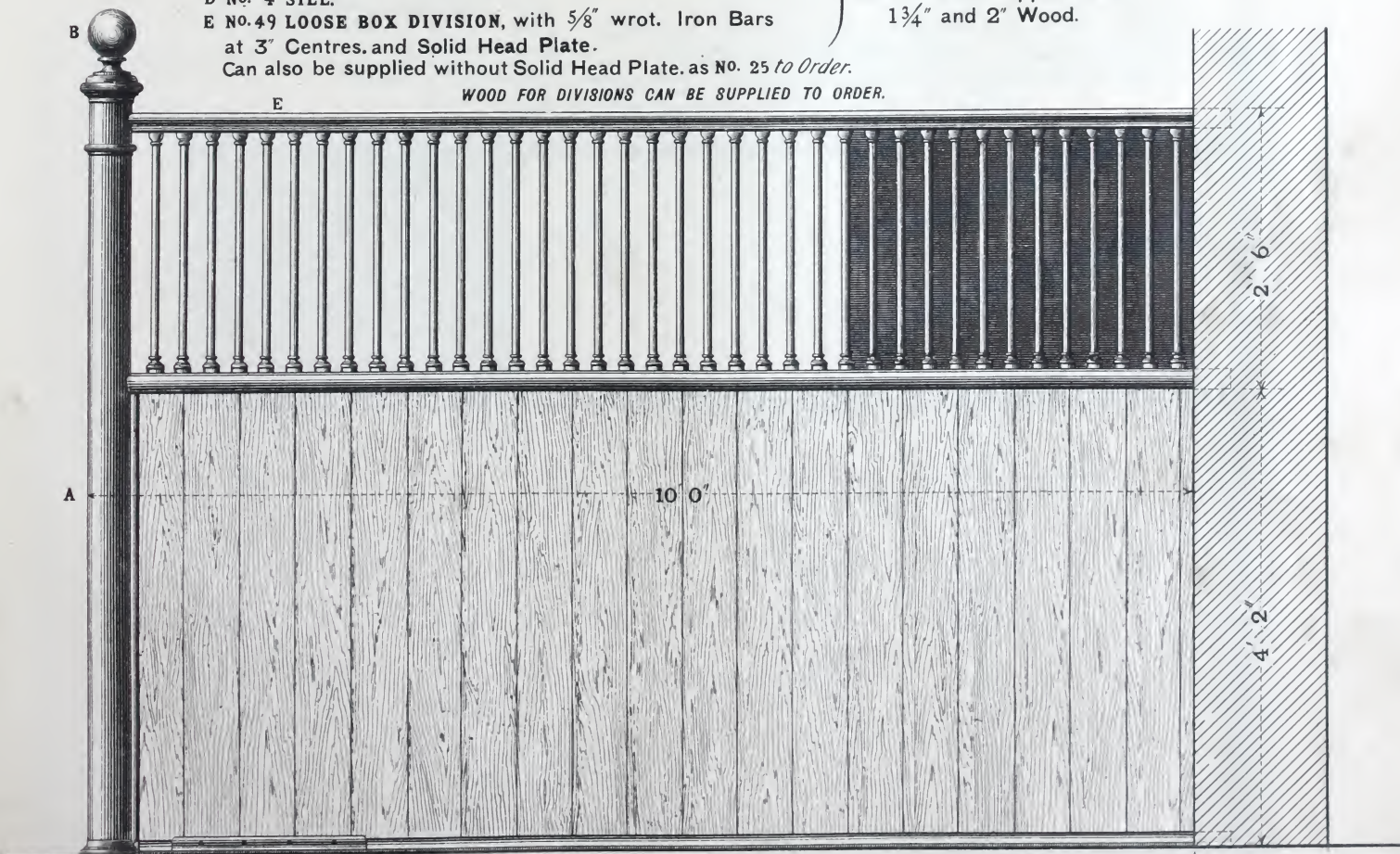
E NO. 49 LOOSE BOX DIVISION, with $\frac{5}{8}$ " wrot. Iron Bars at 3" Centres. and Solid Head Plate.

Can also be supplied without Solid Head Plate. as NO. 25 to Order.

Prepared for $1\frac{1}{2}$ " Wood

Can also be supplied for $1\frac{3}{4}$ " and 2" Wood.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



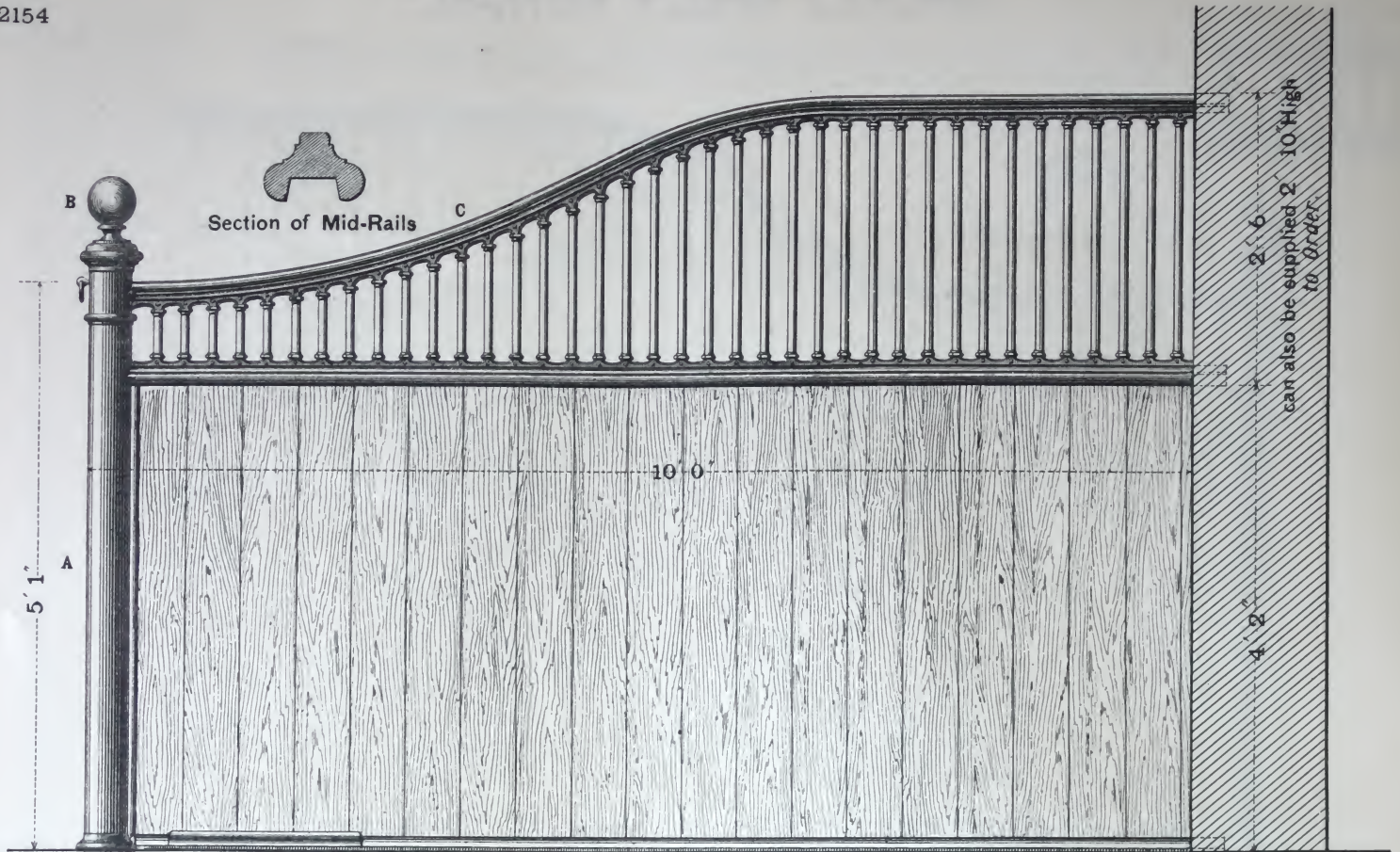
Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills for Wall can be supplied to suit 1" Wood. Other sizes to Order.

Section of NO. 4 Sill.

SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

2154



A NO. 8 POST, 4½" Dia. Can also be supplied 4", 5", and 6" Dia. to Order.

B NO. 11 HEAD, to suit.

C NO. 75 STALL DIVISION, with 5/8" wrot. Iron Bars at 3" Centres. 2' 6" High. Can also be supplied 2' 10" High. and with Solid Head Plate, as NO. 78 to Order.

D NO. 4 SILL.

E NO. 78 LOOSE BOX DIVISION, with 5/8" wrot. Iron Bars at 3" Centres and Solid Head Plate. 2' 6" High.

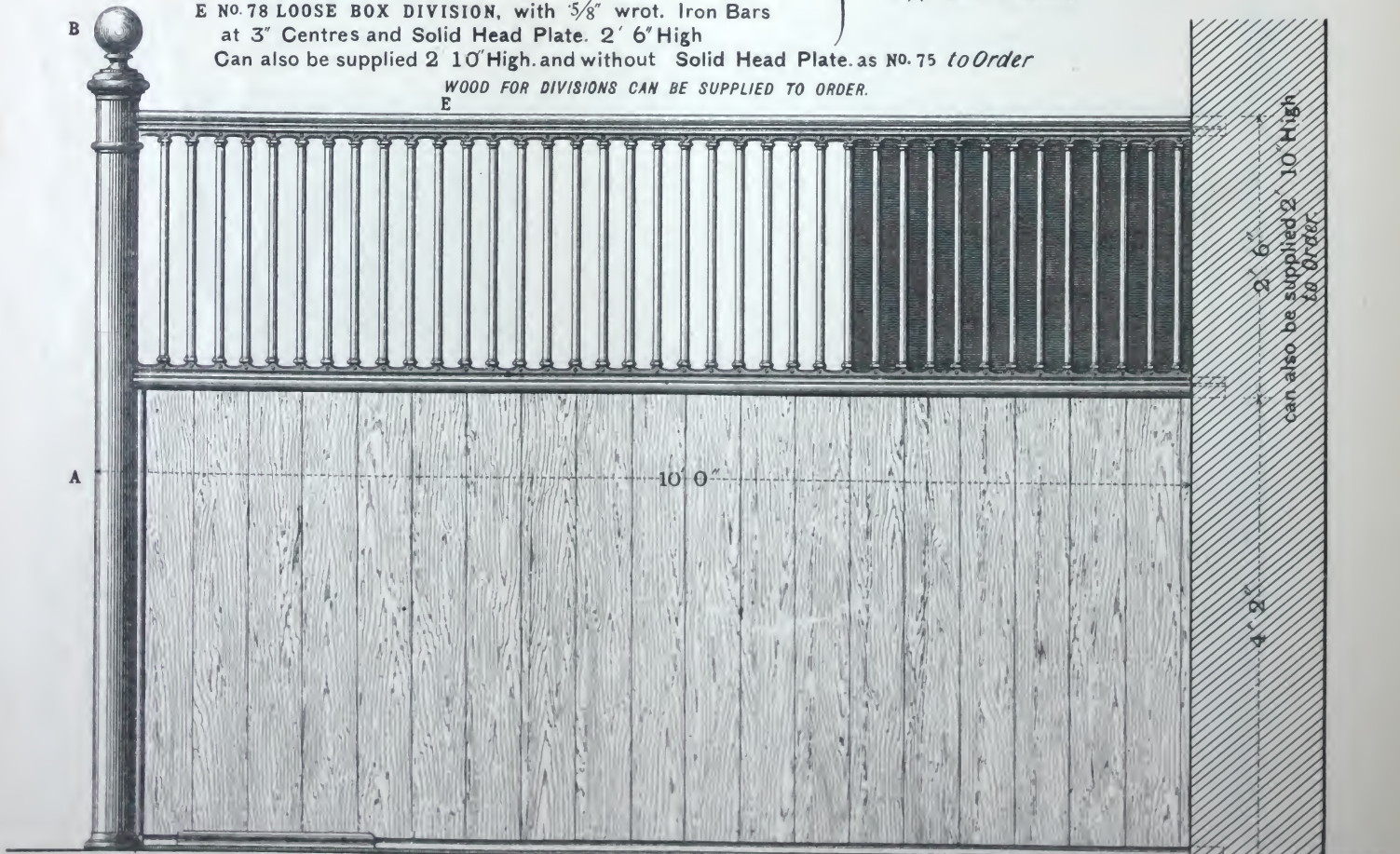
Can also be supplied 2' 10" High. and without Solid Head Plate, as NO. 75 to Order.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.

E

Prepared for 1½" Wood.

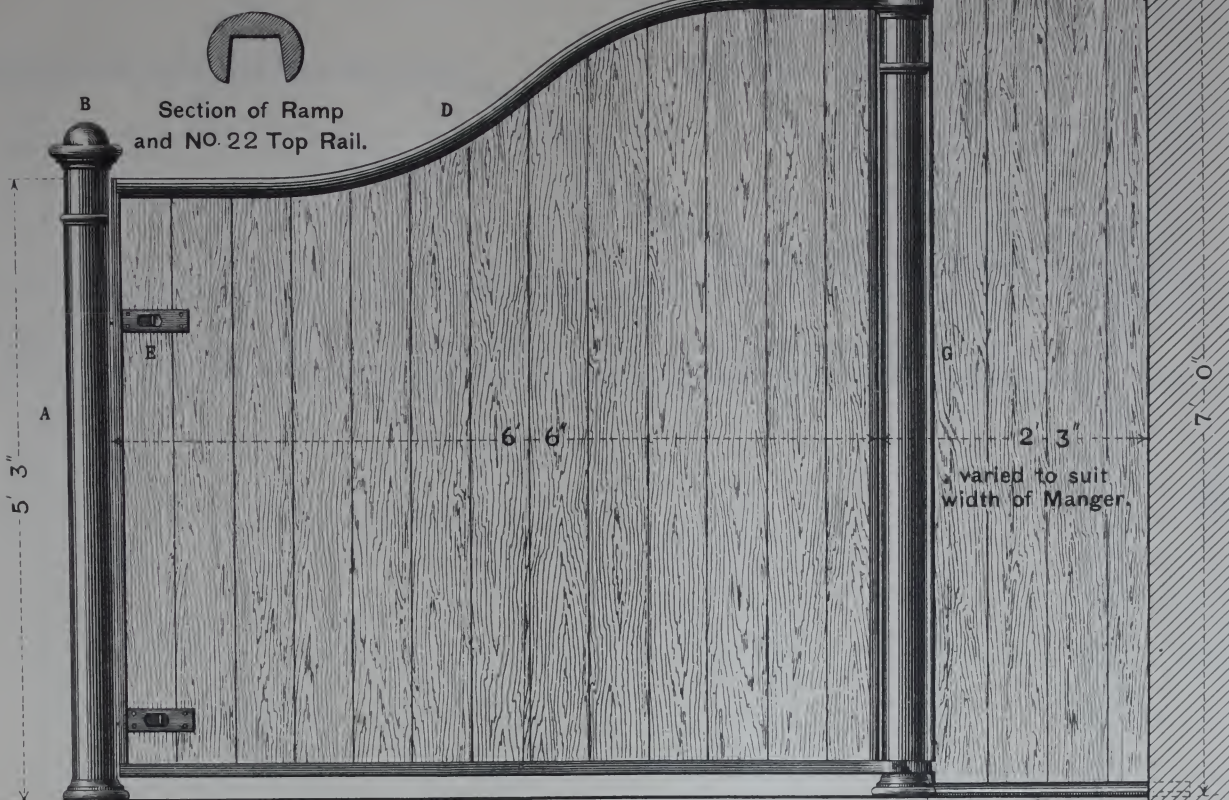
Can also be supplied for 1¾" and 2" Wood.



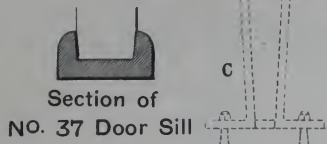
Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills for Wail can be supplied to suit 1" Wood. Other sizes to Order.

Section of NO. 4 Sill.

SIZES AND PROPORTIONS CAN BE VARIED.



Section of Ramp and NO. 22 Top Rail.



Section of NO. 37 Door Sill

- A NO. 8^B MOVEABLE POST, 4½" Dia. Can also be supplied 4", 5", and 6" Dia. to Order.
- B NO. 18 HEAD to suit.
- C NO. 293 STABLE POST SOCKET.
- D NO. 37 HINGED DIVISION, consisting of Ramp and Sill, made to swing on Post, with wrought iron Side Straps, &c.
- E NO. 240 FLUSH SLIP BOLT.
- F NO. 22 TOP RAIL.
- G NO. 8 POST, 4½" Dia. Can also be supplied 4", 5", and 6" Dia. to Order.
- H NO. 1 SILL.
- J NO. 38 HINGED DIVISION, consisting of NO. 25 Division Panel, B with ⅝" wrought iron Bars at 3" centres, Sill, wrought iron Side Straps, Crooks, and Eyes to hang to Post, &c.
- K NO. 236 FLUSH SLIP BOLT.
- L NO. 49 DIVISION, with ⅝" wrought iron Bars at 3" centres.

Prepared for 1½" Wood.

Can also be supplied for 1¾" and 2" Wood.

HEAD PLATE CAN ALSO BE HAD SOLID, AS No. 49, PAGE 2153.

Section of Mid-Rail



Section of NO. 38 Door Sill

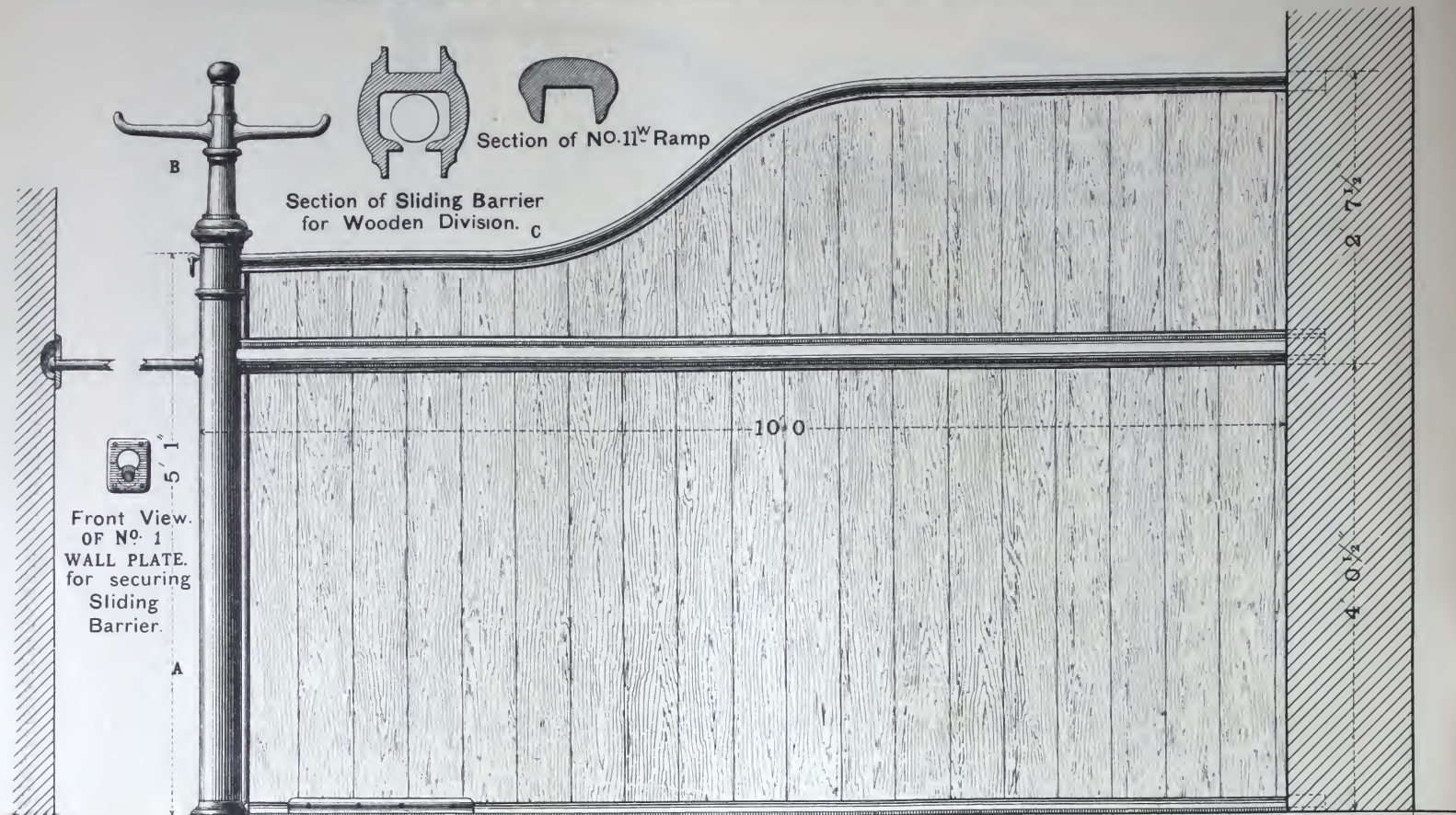
WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.

SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

2160

EXAMPLES SHEWING APPLICATION OF SINGLE SLIDING BARRIERS TO STALL DIVISIONS.



D

NO. 55W
CENTRE RAIL
for Wooden Division



1 1/2" 1 3/4" and 2" Wood.
10' 0" long

A NO. 8 POST, 4 1/2" Dia. Can also be supplied 4", 5", and 6" Dia. to Order.

B NO. 24 HEAD. with revolving Bracket

C NO. 11W STALL RAMP. with Single Sliding Barrier.

D NO. 4 SILL.

E NO. 3 POST, 4 1/2" Dia.

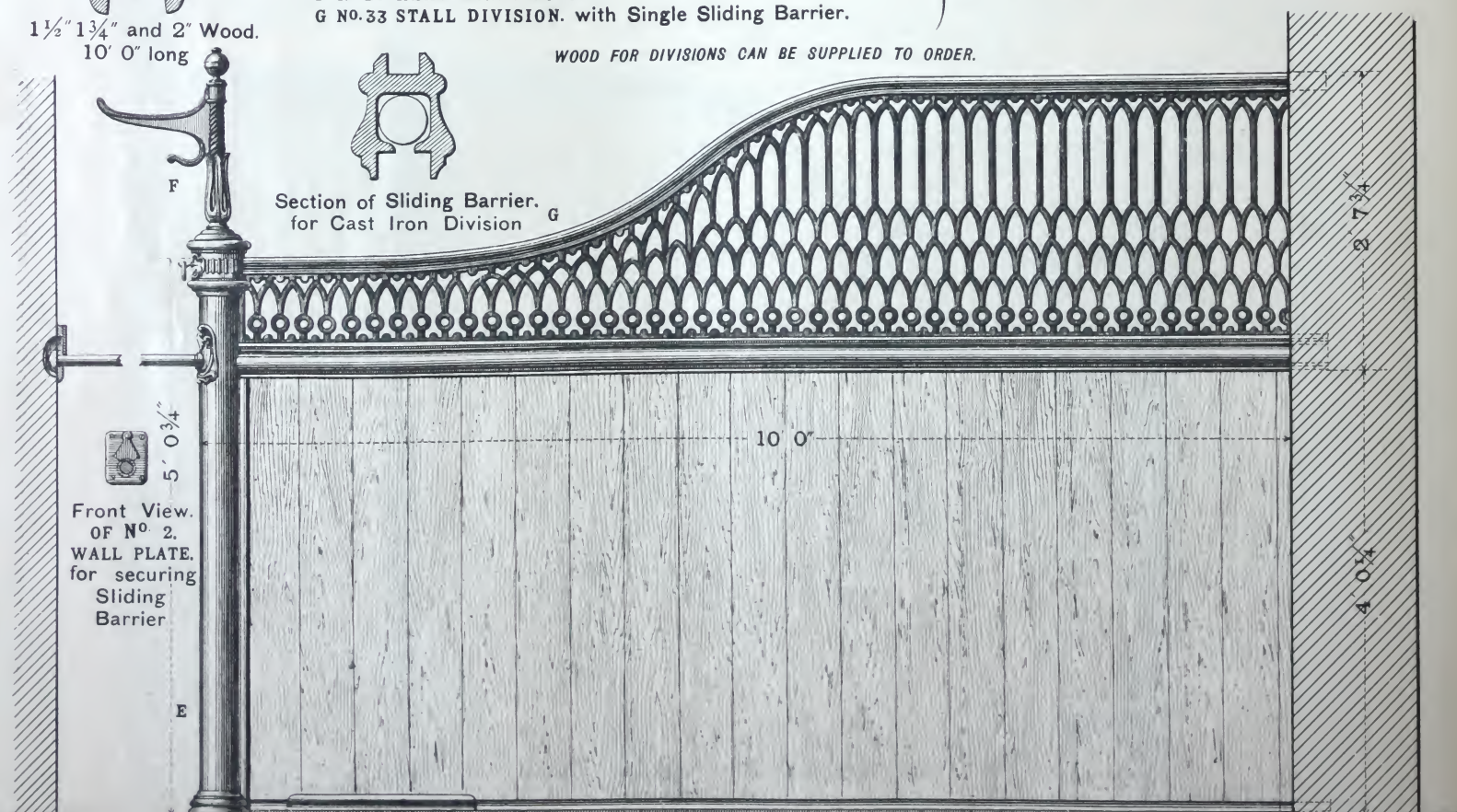
F NO. 25 HEAD. with Bracket.

G NO. 33 STALL DIVISION. with Single Sliding Barrier.

Prepared for 1 1/2" Wood.

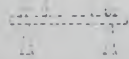
Can also be supplied for
1 3/4" and 2" Wood.

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



D

Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills
for Wall can be supplied to suit 1" Wood. Other sizes to Order.



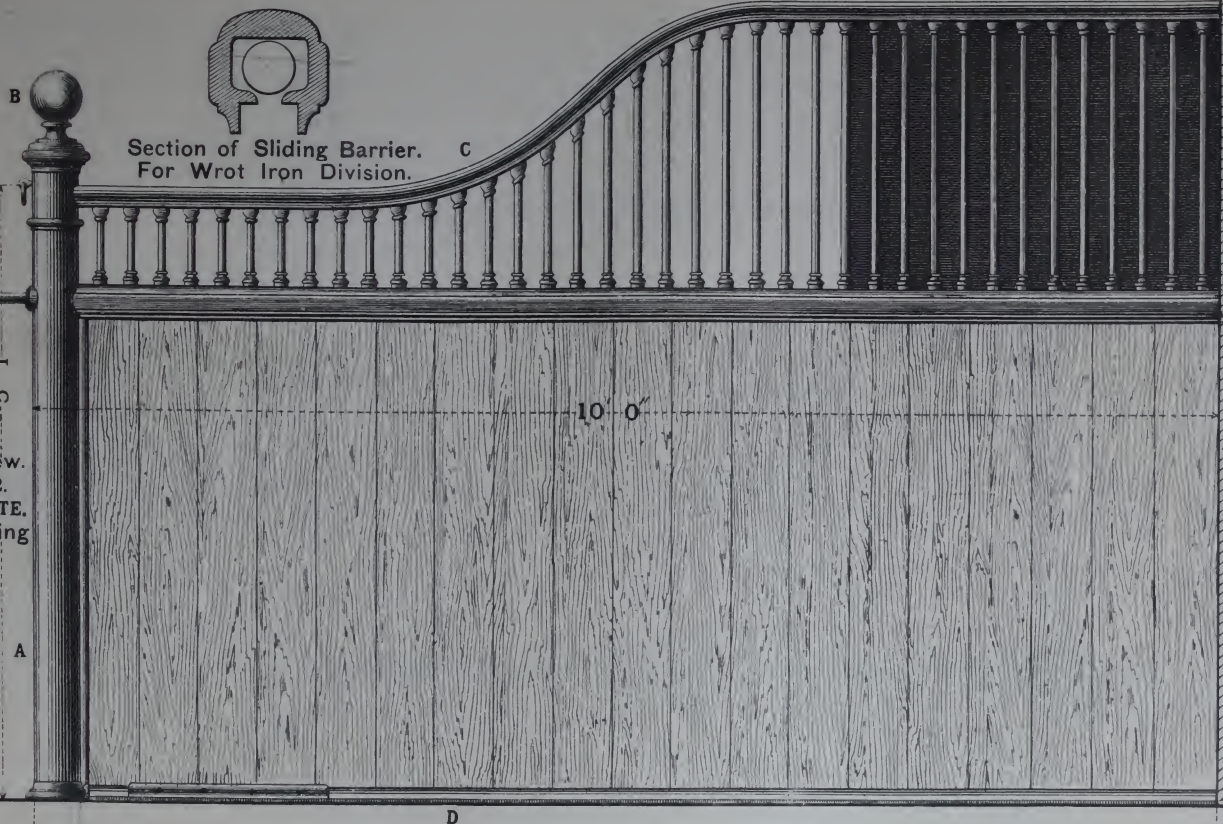
Section of NO. 4 Sill.

SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

2161

EXAMPLES SHEWING APPLICATION OF SINGLE AND DOUBLE SLIDING BARRIERS TO STALL DIVISIONS.



Front View.
OF No. 2.
WALL PLATE.
for securing
Sliding
Barrier.

Section of Sliding Barrier. C
For Wrot Iron Division.

A No. 8 POST, 4 1/2" Dia. Can also be supplied 4', 5', and 6' Dia. to Order.

B No. 11 HEAD. to suit

C No. 25 STALL DIVISION. with Single Sliding Barrier
5/8" wrot. Iron Bars at 3" Centres. and Solid Head Plate.

D No. 4 SILL.

E No. 14 POST. 5" to 3 1/2" Dia. Can also be supplied 4 1/2" to 3 1/2"
and 6" to 4 1/2" Dia. to Order.

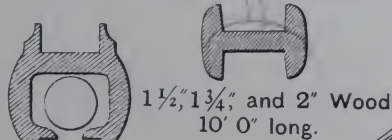
F No. 54 STALL DIVISION. with Double Sliding Barrier.
5/8" wrot Iron Bars at 3" Centres.

Prepared for 1 1/2" Wood.

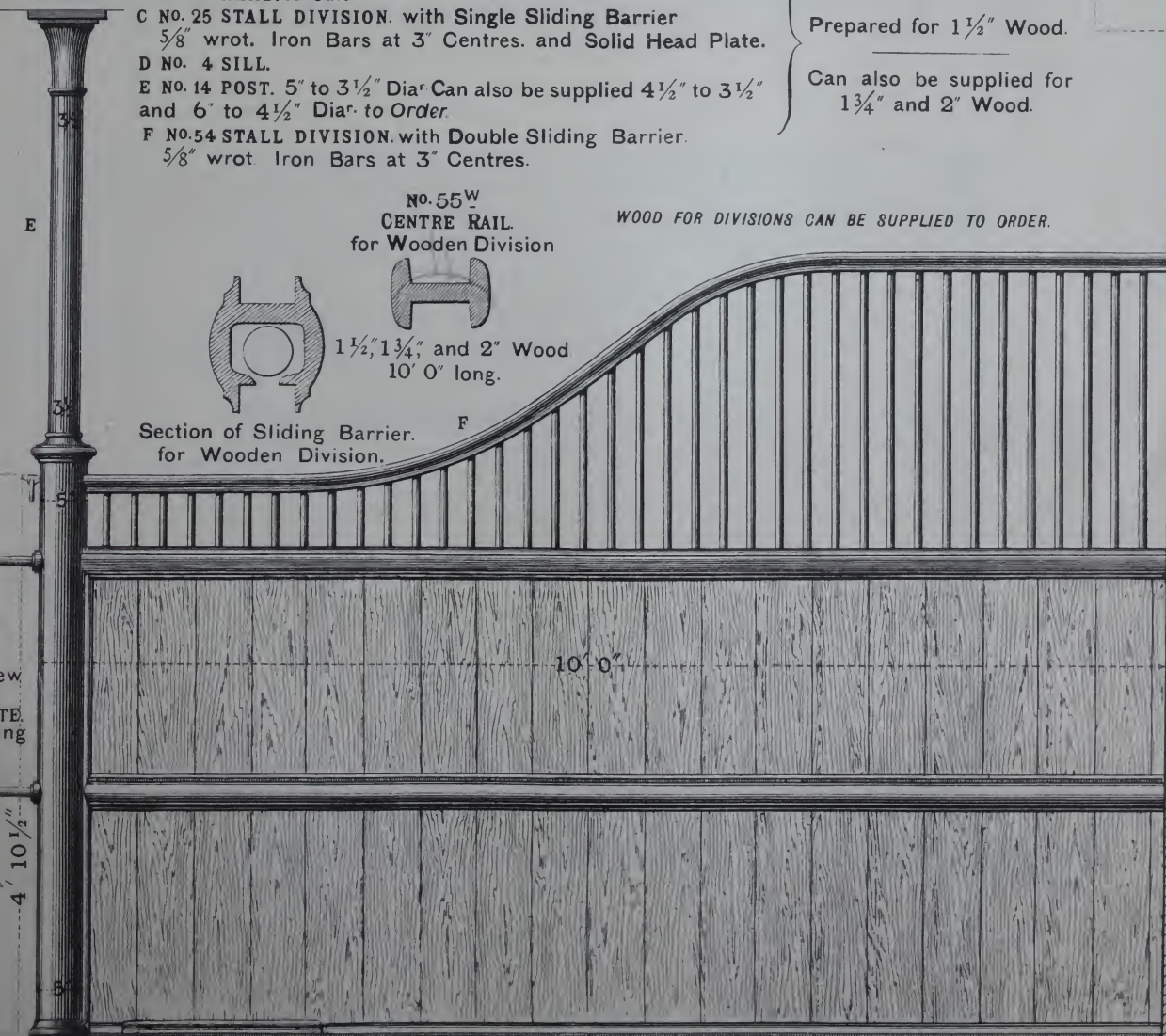
Can also be supplied for
1 3/4" and 2" Wood.

No. 55 W
CENTRE RAIL
for Wooden Division

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.



Section of Sliding Barrier. F
for Wooden Division.



Front View
OF No. 1
WALL PLATE.
for securing
Sliding
Barrier.

Half Posts, Half Heads, Half Ramps or Top Rails, Half Mid-Rails and Half Sills
for Wall can be supplied to suit 1" Wood. Other sizes to Order.

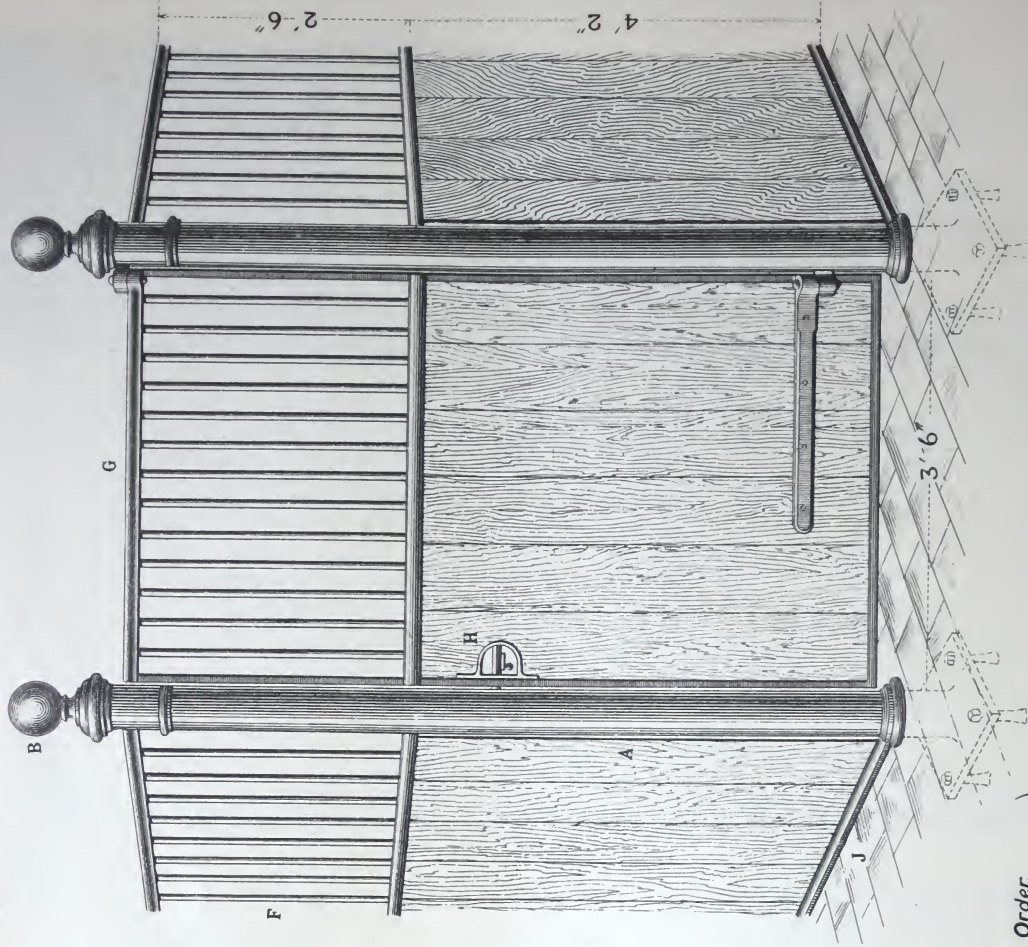
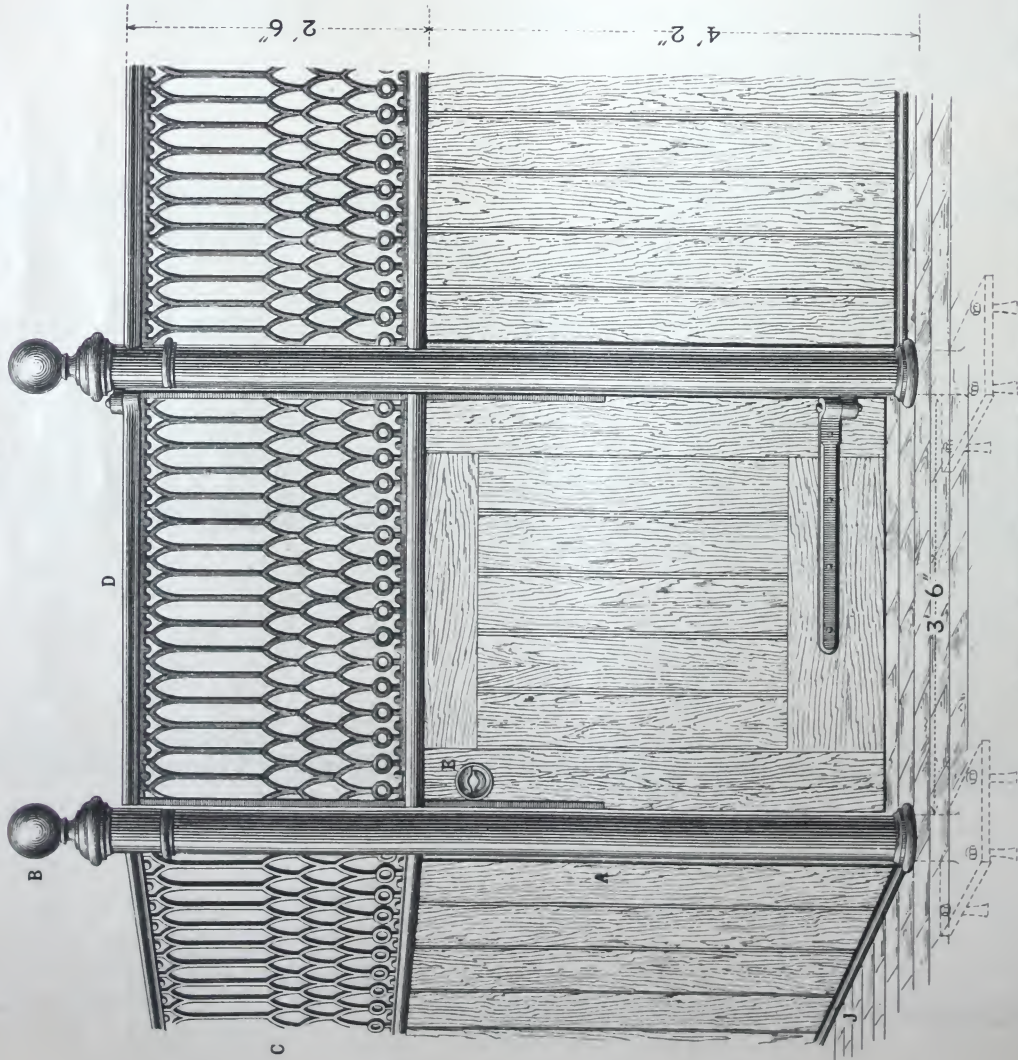
Section of NO. 4 Sill.

SIZES AND PROPORTIONS CAN BE VARIED.

IMPROVED STABLE FITTINGS.

DOORS. FOR LOOSE BOXES.

NOTE.—ALL DOORS AND DIVISIONS FOR LOOSE BOXES, WITH WROUGHT IRON BARS, CAN BE HEIGHTENED TO ORDER.



A No. 8 POST, 4 1/2" Dia. Can also be supplied 4", 5", and 6" Dia. to Order.

B No. 11 HEAD to suit.

C No. 34 LOOSE BOX DIVISION.

D No. 34 LOOSE BOX DOOR, 3' 6" wide, consisting of Division Panel, with wrought Side Straps (about 18" long), Hinges, Bolts, and Nuts to fix to the Woodwork. Crooks and Eyes to hang to the Post.

E No. 257 SEMI-FLUSH HANDLES on each side of Door, with No. 256 MORTICE LATCH (for other Latches, see Page 2230).

F No. 47 LOOSE BOX DIVISION, with 5/8" wrought iron Bars at 3" Centres.

G No. 47 LOOSE BOX DOOR as above, NO. 34, but with Side Straps made full length of Door, and carried under the bottom.

H No. 242 FLUSH SPRING BOLT (for other Latches, see Page 2230)

J No. 4 SILL.

Prepared for 1 1/2" Wood.

Can also be supplied for 1 3/4" and 2" Wood.

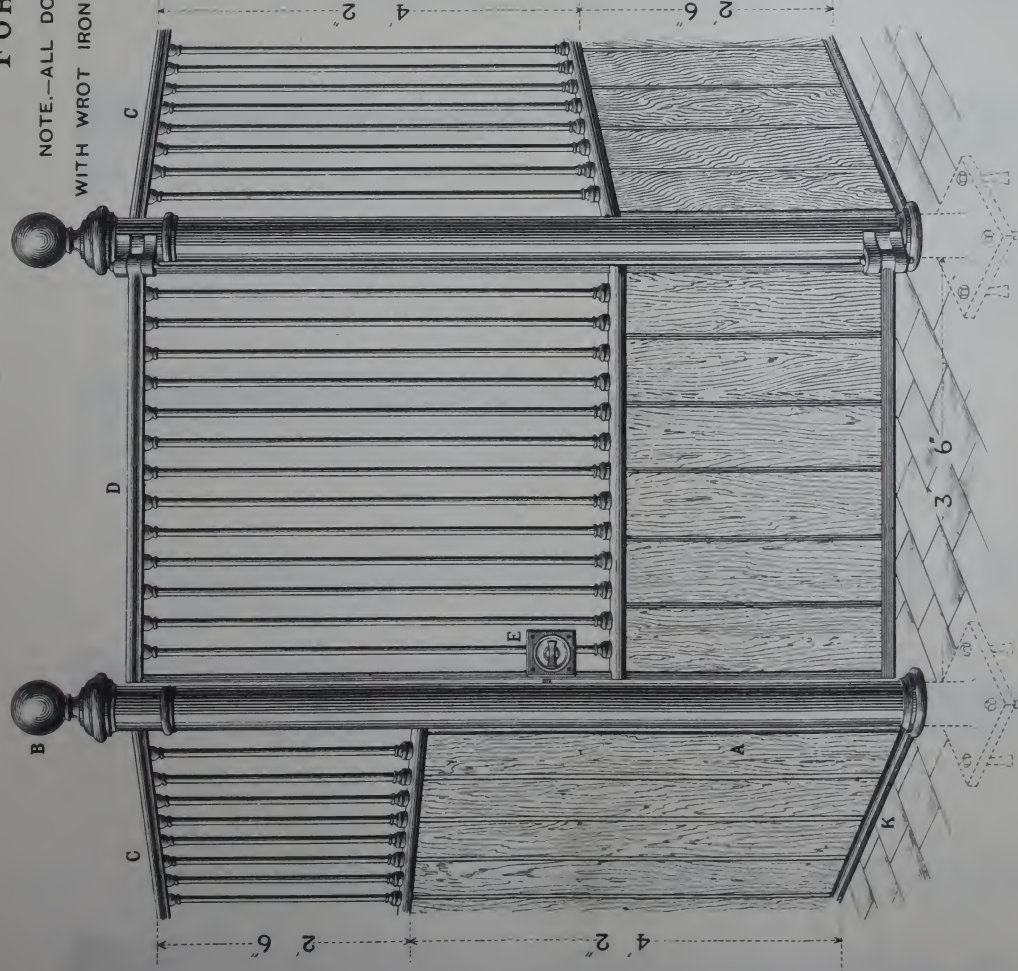
WOOD FOR DOORS AND DIVISIONS CAN BE SUPPLIED TO ORDER.

SIZES AND PROPORTIONS CAN BE VARIED.

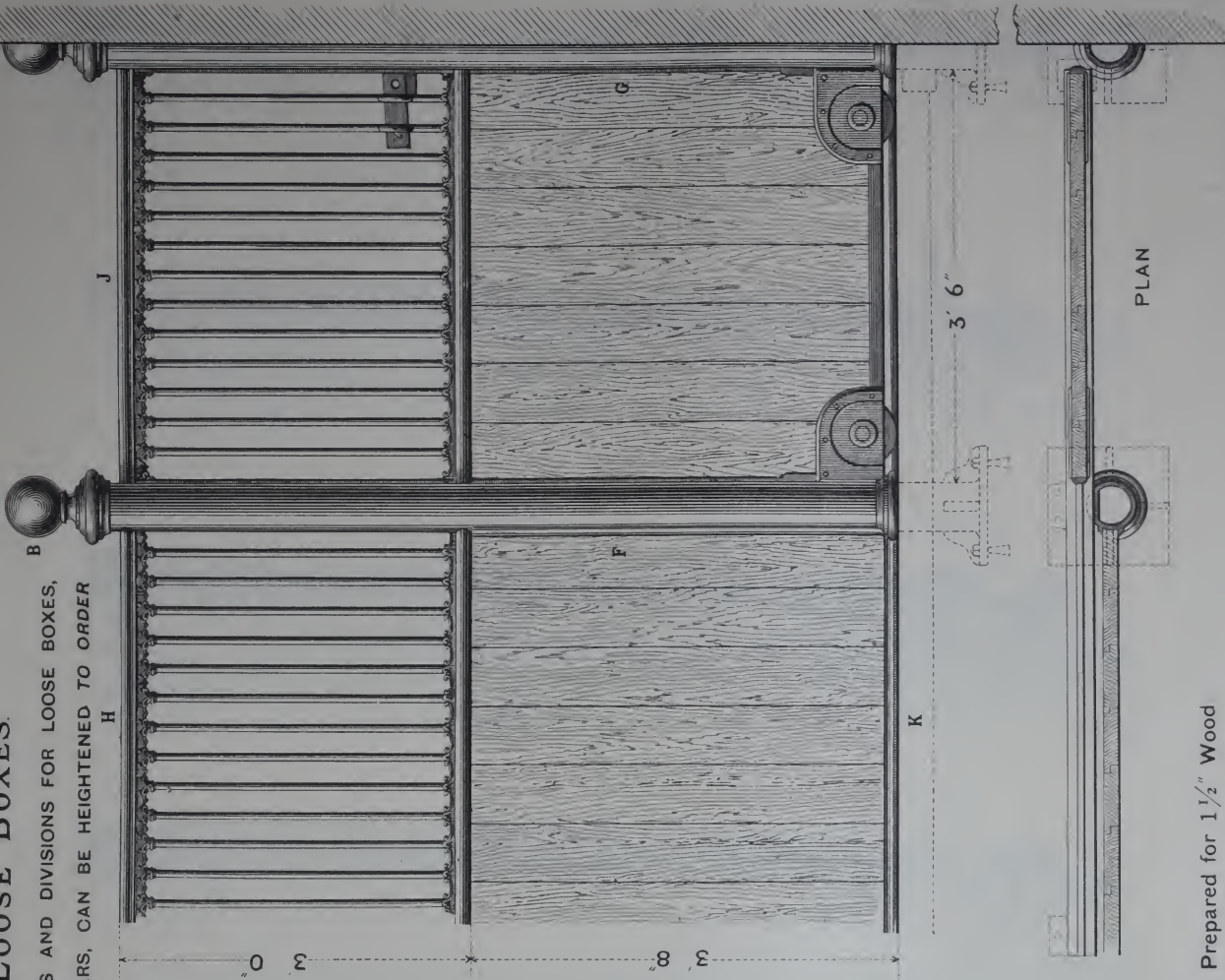
DOORS

FOR LOOSE BOXES.

NOTE.—ALL DOORS AND DIVISIONS FOR LOOSE BOXES, WITH WROT IRON BARS, CAN BE HEIGHTENED TO ORDER



- A No. 8 POST, 4½" Dia. Can also be supplied 4", 5", and 6" Dia. to Order.
 B No. 11 HEAD to suit.
 C No. 49 LOOSE BOX DIVISION, with ⅝" wrought iron Bars at 3" Centres.
 D No. 49 LOOSE BOX DOOR, consisting of Division Panel, 4' 2" high, Sill, wrought iron Side Straps, and Cast Hinges to hang to the Post.
 E No. 251 SEMI-FLUSH HANDLES on each side of Door with
 No. 256 MORTICE LATCH (for other Latches, see Page 2230),
 F No. 8 POST, 5" Dia. prepared for Sliding Door.
 G No. 8 HALF-POST, for Wall and prepared for Sliding Door
 H No. 51 LOOSE BOX DIVISION, with ⅝" wrought iron Bars at 3" Centres
 J No. 51 LOOSE BOX SLIDING DOOR, consisting of Division Panel, wrought iron Side Straps, Cast Sill, Wheels with Running Rail, and
 No. 262 Finger Latch (for other Latches, see Page 2230),
 K No. 4 SILL.



PLAN

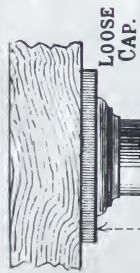
Prepared for 1½" Wood

Can also be supplied for 1¾" and 2" Wood

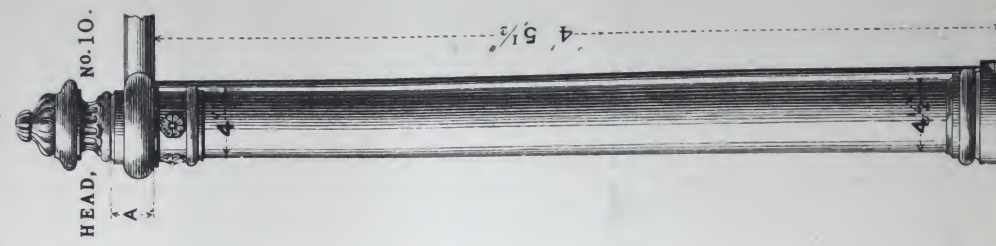
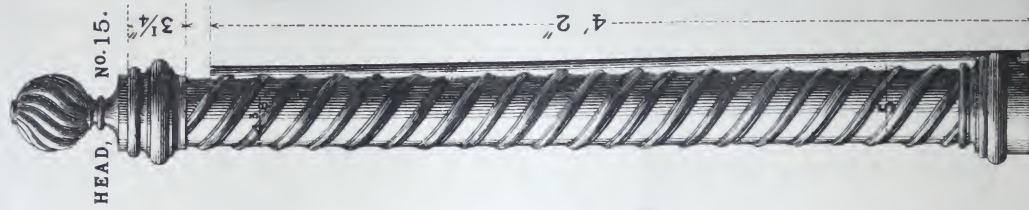
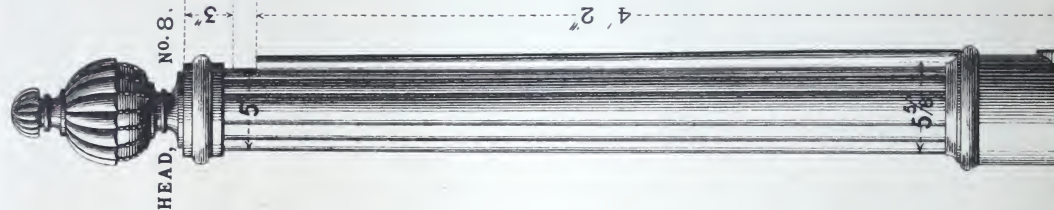
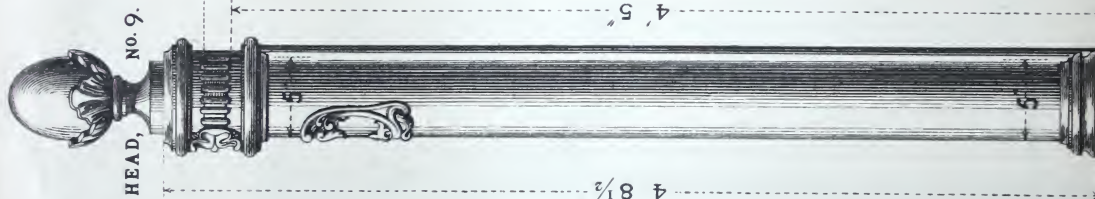
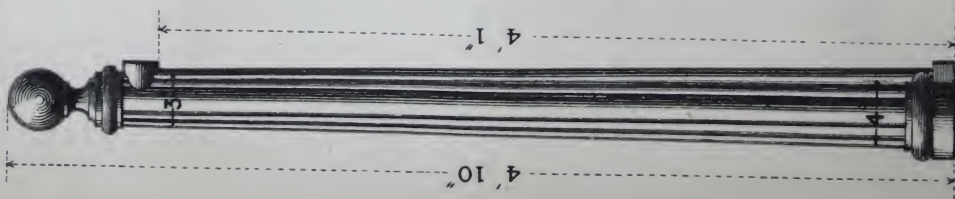
WOOD FOR DOORS AND DIVISIONS CAN BE SUPPLIED TO ORDER

SIZES AND PROPORTIONS CAN BE VARIED.

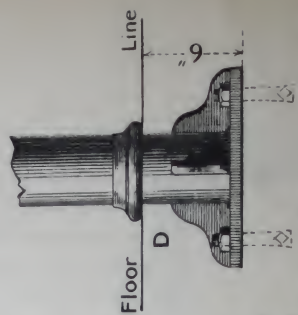
IMPROVED STABLE FITTINGS.
POSTS AND HEADS FOR RAMPS AND STALL DIVISIONS.
POSTS ARE LENGTHENED TO SUIT THE VARIOUS HEIGHTS OF DIVISIONS TO ORDER.
Half Posts, Half Heads, can be supplied to suit 1' Wood. Other sizes to Order.



WITH HEAD CAST ON



Posts can be supplied with Ring on front as at B, or Ring on either side of Post as at C to Order



Root of Post can also be supplied with Webs as at D to Order.
Lewis' Bolts, charged extra.

POST, No. 1.

POST, No. 9.

POST, No. 2.

POST, No. 3.

POST, No. 4.

POST, No. 5.

POST, No. 6.

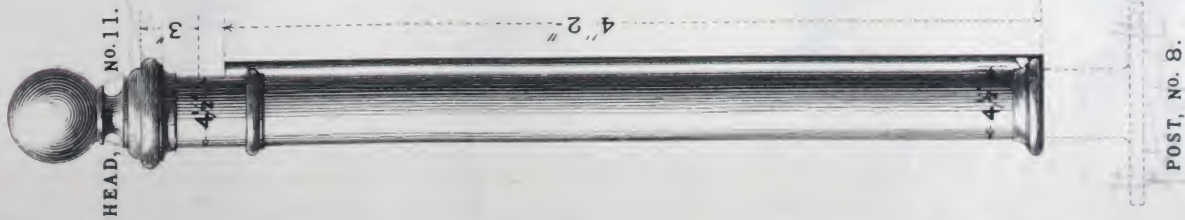
SIZES. 4", 4 1/2", 5, 5 1/2" and 6" Dia.
and any Height up to 12' 0",
to Order.

LENGTH OF POST INTO GROUND CAN BE VARIED. TO ORDER.

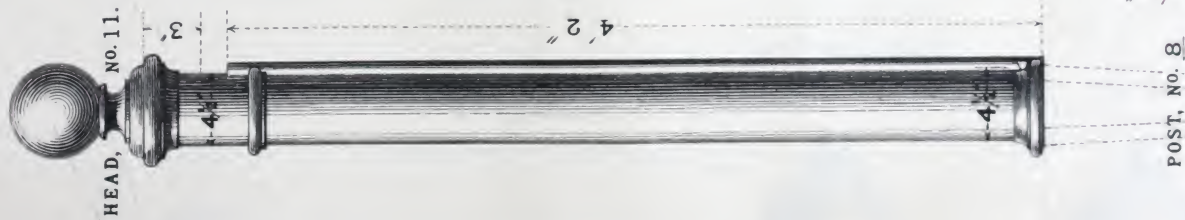
Collar at A is cast on Ramp.

POSTS AND HEADS FOR RAMPS AND STALL DIVISIONS.

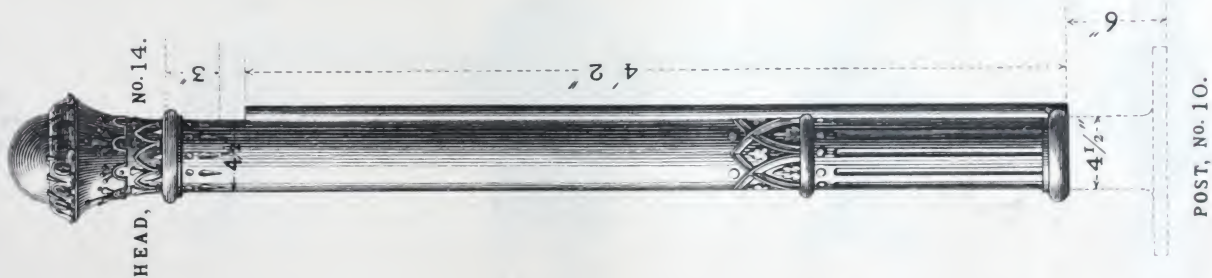
POSTS ARE LENGTHENED TO SUIT THE VARIOUS HEIGHTS OF DIVISIONS TO ORDER
 Half Posts, Half Heads, can be supplied to suit 1' Wood. Other sizes to Order



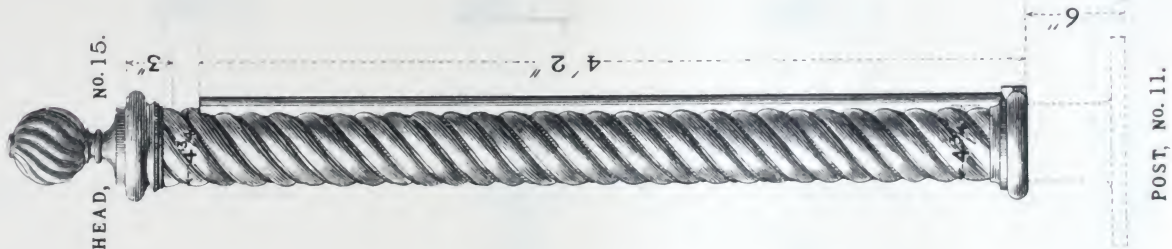
POST, NO. 8.



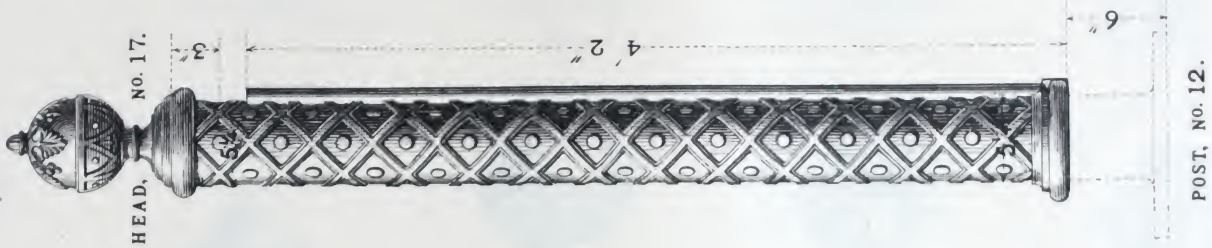
POST, NO. 11.



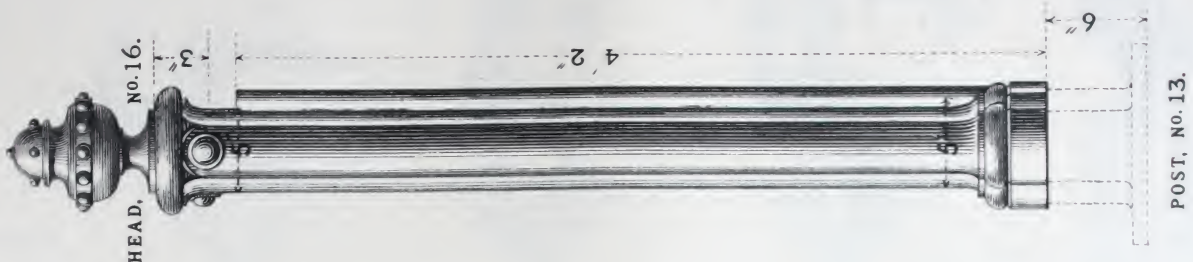
POST, NO. 14.



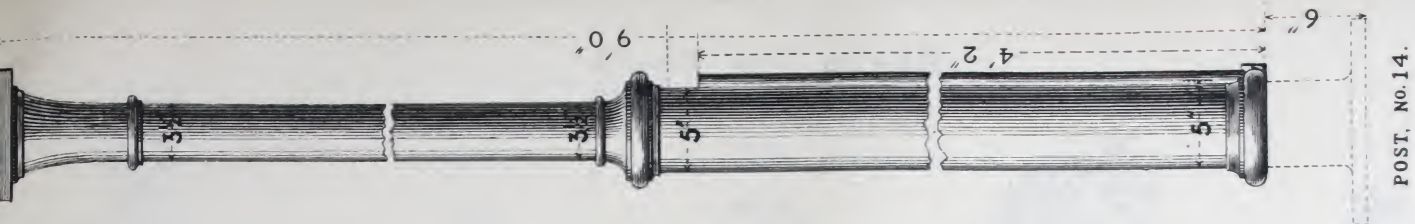
POST, NO. 15.



POST, NO. 17.



POST, NO. 16.



POST, NO. 14.

SIZES
 4 1/2" to 3 1/2" Dia.
 5" " 3 1/2"
 6" " 4 1/2"

LENGTH OF POST INTO GROUND CAN BE VARIED TO ORDER.

WITH NO SOCKET,
 FOR FIXING INTO GROUND

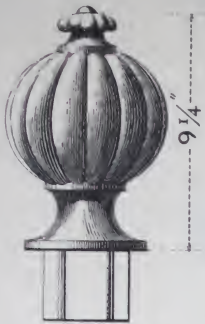
SIZES

4", 4 1/2", 5" & 6" Dia.

IMPROVED STABLE FITTINGS.

HEADS FOR POSTS.

No. 3



Suits NOS. 3, 4, 5, 8 and 13 Posts.

No. 5



Suits NOS. 3, 4, 5, 8, and 9, Posts

No. 6



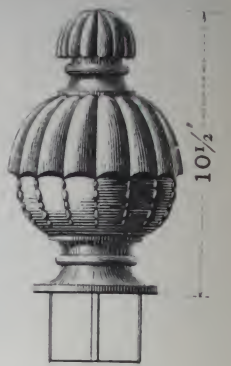
Suits NOS. 3, 4, 5, 8, and 9, Posts.

No. 7



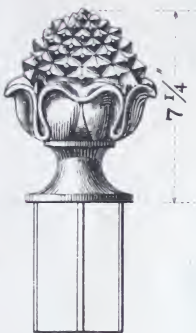
Suits NOS. 3, 4, 5, 8, and 9, Posts.

No. 8



Suits NOS. 3, 4, 5, and 8. Posts.

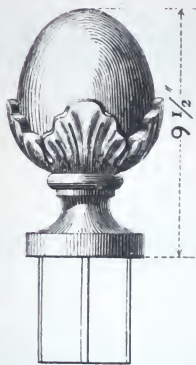
No. 4



Suits NOS. 3, 4, 5, '6 8, 9 and 12 Posts.

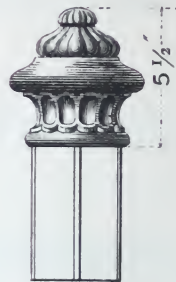


No. 9



Suits NOS. 3, 4, 5, 8, 9 and 13 Posts.

No. 10



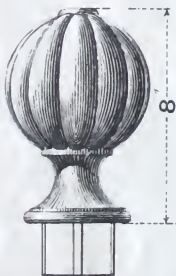
Suits No 6 Post

No. 11



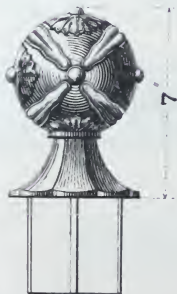
Suits NOS. 3, 4, 5, 8, 9, 10, 11, 12 and 13 Posts.

No. 12



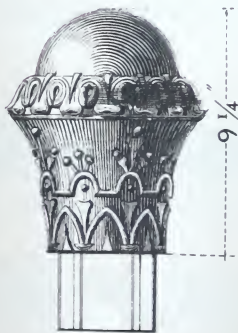
Suits NOS. '6 and 9 Posts.

No. 13



Suits NOS. 3, 4, 5, 8, 9, 11, 12, and 13 Posts.

No. 14



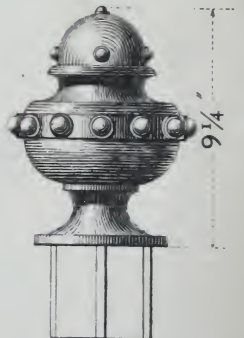
Suits No 10 Post

No. 15



Suits NOS. 5 and 11 Posts.

No. 16

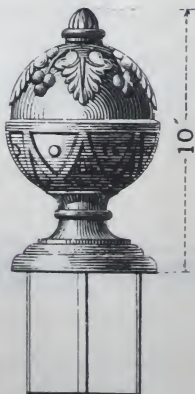


Suits NOS. 3, 4, 5, 8, 9, 11, 12, and 13 Posts.

No. 17



Suits NOS. 3, 4, 5, 8, 11, and 12, Posts.



No. 18



Suits any Post.

No. 19



Suits NOS. 3, 4, 8, 12, and 13 Posts.

No. 20



Suits NOS. 5 and 6 Posts.

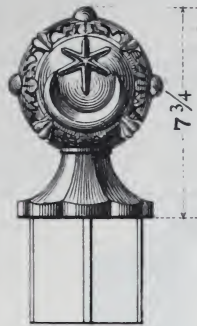
No. 23



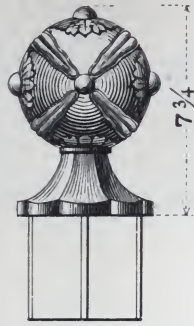
Suits NOS. 1, and 9. Posts.

HEADS FOR POSTS.

No. 21



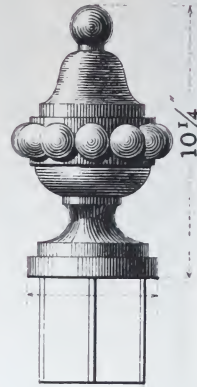
Front



Back.

Suits NOS. 3, 4, 5, 8, 11, 12, and 13 Posts.

No. 22



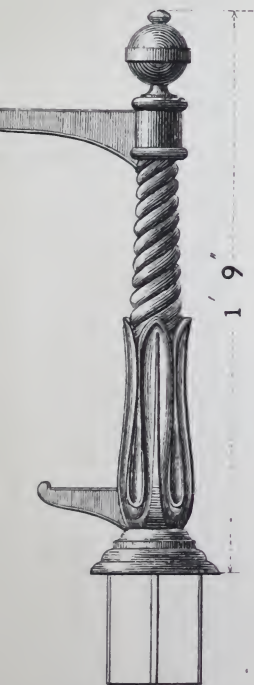
Suits NOS. 3, 4, 8, 12, and 13 Posts.

No. 2



Suits No 9, Post

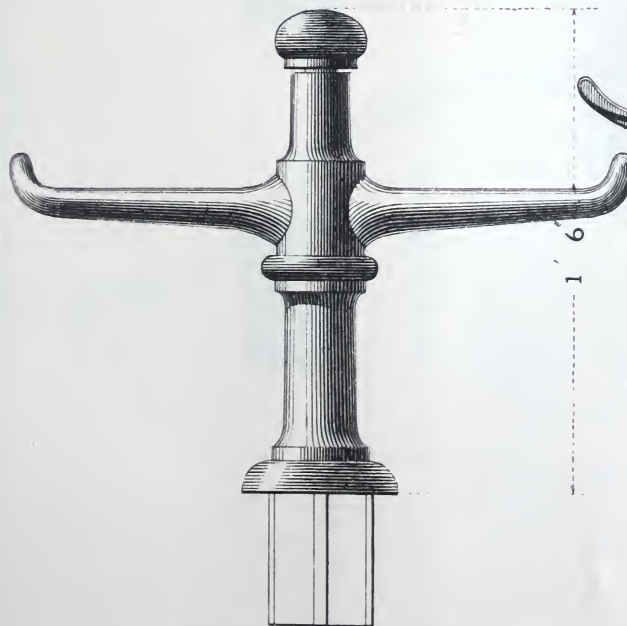
No. 1



NOS. 3, 4, 5, 8, 10, 11, 12, and 13 Posts.

No. 24

with Revolving Bracket.



Suits NOS. 8, 11, and 13 Posts.

No. 25



Suits NOS. 3, 4, 8, 10, 12, and 13 Posts

NAME PLATES FOR POSTS.

Customers Names cast on to Order

No. 20



No. 21



No. 22



No. 23



No. 24



No. 25

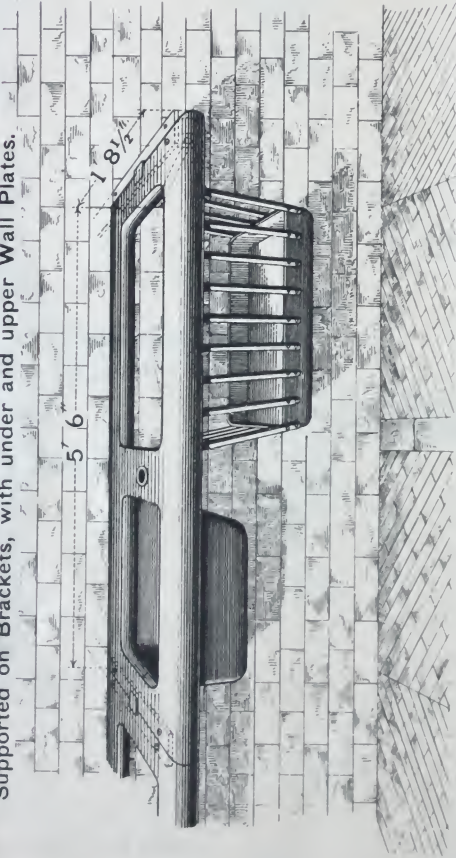


IMPROVED STABLE FITTINGS. MILITARY STABLES.

No. 157

TROOP MANGER SET,

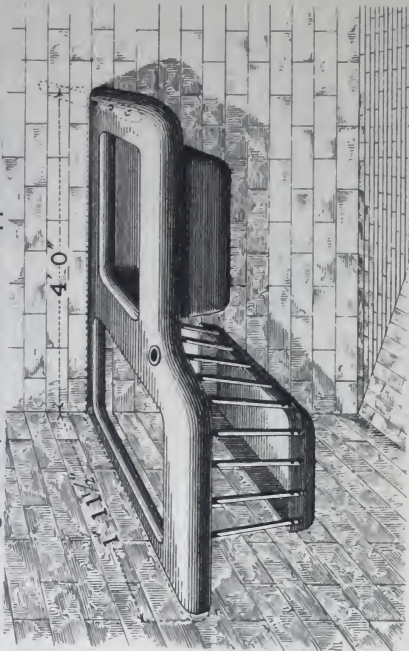
Supported on Brackets, with under and upper Wall Plates.



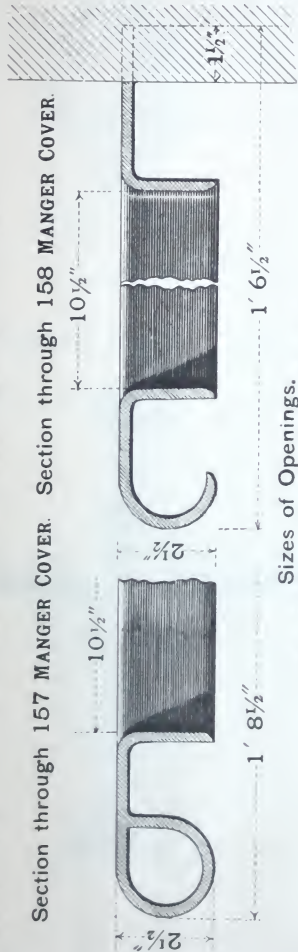
No. 158

LOOSE BOX MANGER SET,

Supported by going 1 1/2" into wall on either side, and Bracket at Manger end, with under and upper Wall Plates.



Section through 157 MANGER COVER. Section through 158 MANGER COVER.



Sizes of Openings.

HAY RACK.

MANGER.

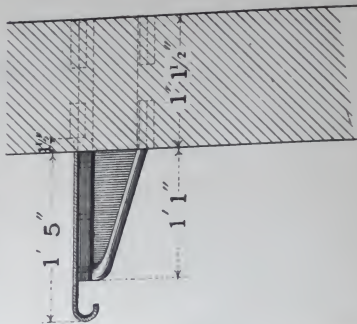
No 157, 30" x 14 1/2"

21" x 10 1/2" x 10 1/2" deep.

No 158, 18 x 14 1/2"

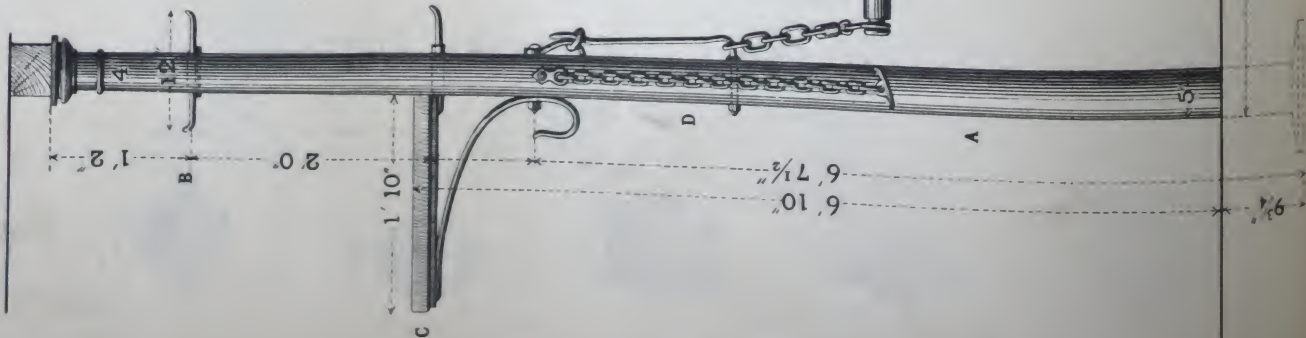
20" x 10 1/2" x 10 1/2" "

Section through 158 MANGER COVER.
Showing Supporting Bracket.
with under and upper Wall Plates



TROOP STABLE DIVISION.

- A No. 15 POST, 5' to 4" Diam.
- B No. 118 WEDGE HOOKS.
- C No. 116 SADDLE BRACKET, with Hooks. Wooden Capping to Order.
- D No. 306 HEEL CHAIN. With Bolt and Nut to fix to Post.
- E No. 157 MANGER SET. Supported on Bracket with under and upper Wall Plates.
- F No. 307 HEAD CHAIN. With Bolt, Washer, and Nut. For 14" Wall.
- G No. 58 SWINGING BAIL, with Chains to Bracket and Heel Post



11' 0"

IMPROVED STABLE FITTINGS.

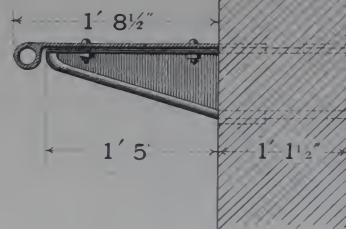
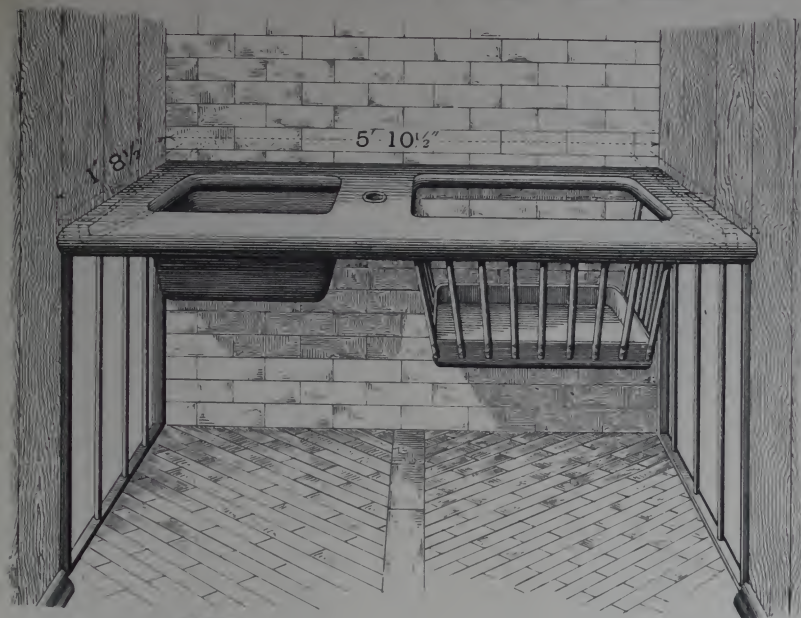
OFFICERS' STABLES.

No 159

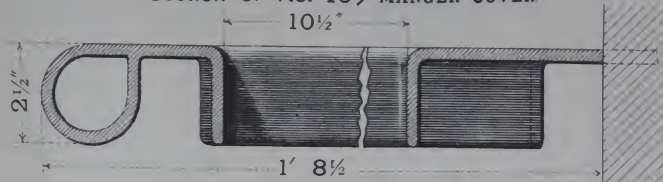
MANGER SET Consisting of MANGER and HAY RACK.
Supported on Brackets with under and upper Wall Plates.

Section through No. 159 MANGER COVER
Showing Bracket with under and upper Wall Plates.

2171

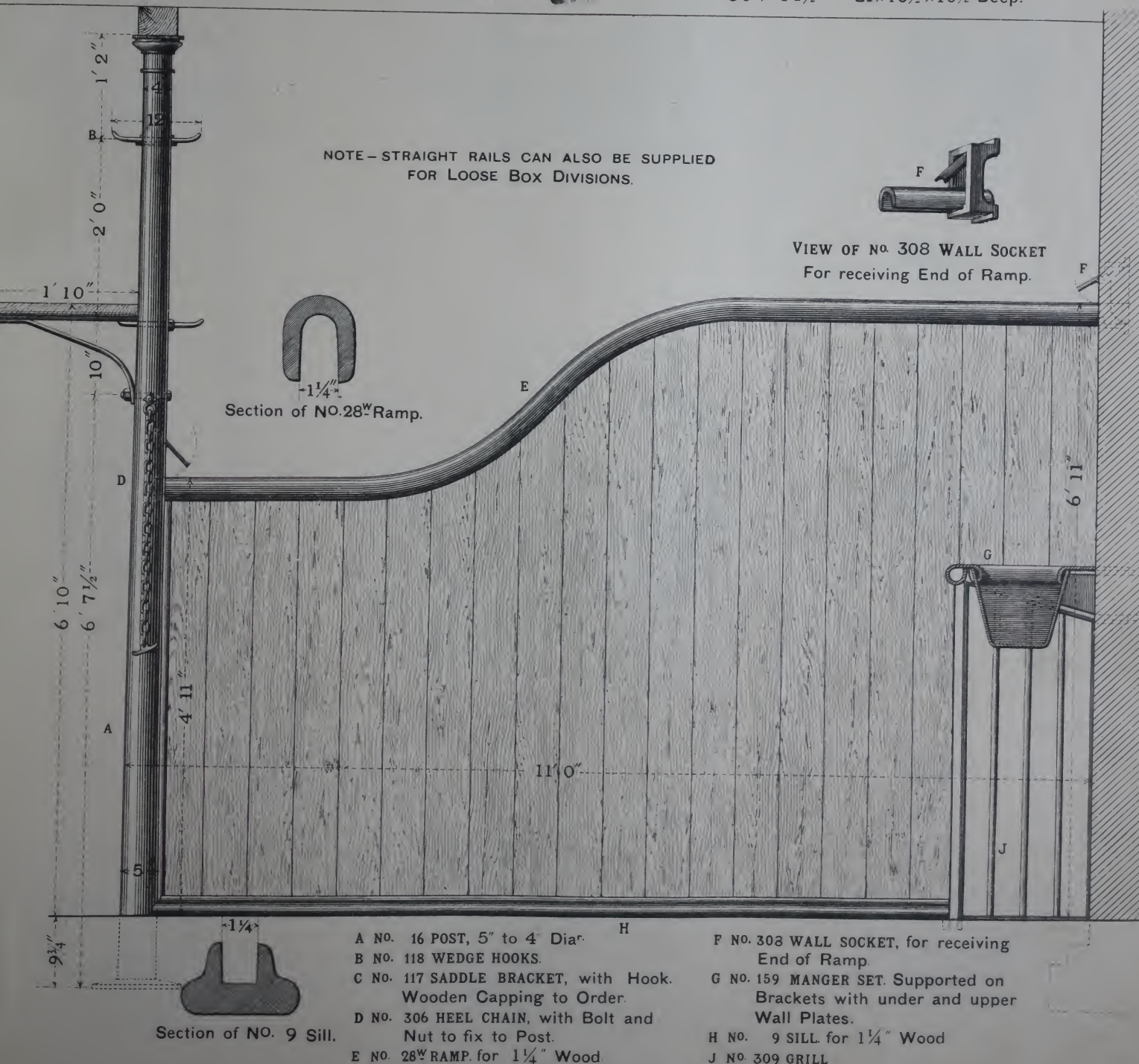


Section of No. 159 MANGER COVER



Sizes of Openings

HAY RACK. 30" x 14 1/2"
MANGER 21" x 10 1/2" x 10 1/2" Deep.



NOTE - STRAIGHT RAILS CAN ALSO BE SUPPLIED
FOR LOOSE BOX DIVISIONS.



VIEW OF No. 308 WALL SOCKET
For receiving End of Ramp.

Section of NO. 28 Ramp.

Section of NO. 9 Sill.

- A No. 16 POST, 5" to 4" Dia.
- B No. 118 WEDGE HOOKS.
- C No. 117 SADDLE BRACKET, with Hook.
Wooden Capping to Order.
- D No. 306 HEEL CHAIN, with Bolt and
Nut to fix to Post.
- E No. 28^W RAMP for 1 1/4" Wood

- F No. 308 WALL SOCKET, for receiving
End of Ramp.
- G No. 159 MANGER SET. Supported on
Brackets with under and upper
Wall Plates.
- H No. 9 SILL for 1 1/4" Wood
- J No. 309 GRILL

WOOD FOR DIVISIONS CAN BE SUPPLIED TO ORDER.

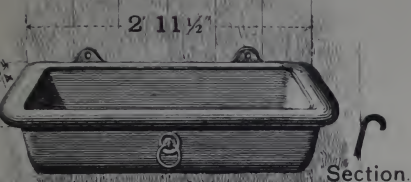
INDEX TO MANGERS AND MANGER SETS.

NO.	PAGE.	NO.	PAGE.	NO.	PAGE.	NO.	PAGE.
1	2173	42	2182	84	2175	124	2183
2	2179	43	2180	85	"	125	"
3	"	44	2175	86	"	126	2184
4	2185	45	2173	87	2176	127	"
5	2180	46	2175	88	"	128	2185
6	2182	47	2173	89	"	129	"
7	"	48	"	90	"	130	2186
8	2173	49	"	91	"	131	"
9	2188	50	2175	92	"	132	"
10	2183	51	2174	93	"	133	2187
11	2188	52	2173	94	"	134	"
12	2174	53	2175	95	"	135	"
13	2175	54	2173	96	"	136	"
14	2173	55	2175	97	"	137	"
15	2185	56	2173	98	"	138	"
16	2175	57	2174	99	"	139	"
17	2173	58	"	100	"	140	"
18	2174	59	"	101	2179	141	2188
19	2180	60	"	102	2176	142	"
20	"	61	"	103	"	143	"
21	2175	64	2179	104	"	144	"
22	2192	65	2192	105	"	145	2189
23	2181	66	"	106	"	146	"
24	2189	67	2195	107	2180	147	"
25	2185	68	2174	108	"	148	2191
26	2184	69	"	109	"	149	2192
27	"	70	2190	110	"	150	2195
28	2183	71	2191	111	2181	151	"
29	"	72	"	112	"	152	"
30	2181	73	2190	113	"	153	2199
31	2173	74	2196	114	2182	154	"
32	2180	75	2189	115	"	155	2200
33	2189	76	2174	116	"	156	"
34	2190	77	2179	117	"	157	2170
35	"	78	"	118	"	158	"
36	"	79	2197	119	"	159	2171
37	2191	80	"	120	2183	160	2198
38	2185	81	2174	121	"	161	"
39	2184	82	2175	122	"	162	"
40	2196	83	"	123	"	163	2174
41	2186						

MANGERS.

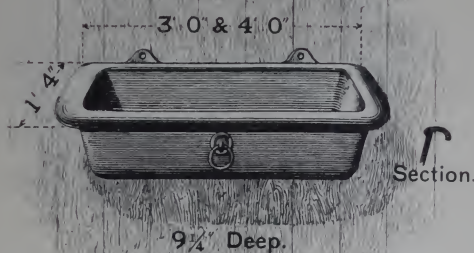
RINGS Charged Extra

No. 1

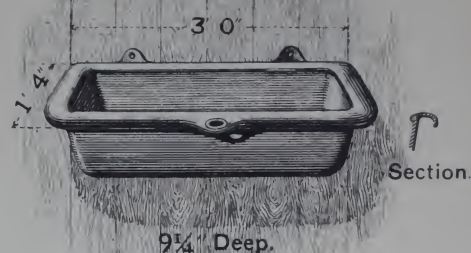


Sizes 2' 0" x 1' 2 1/4" x 7 3/8" Deep.
 2' 6" x 1' 2 1/4" x 7 3/8" "
 2' 10" x 1' 2 1/4" x 7 3/8" "
 2' 11 1/2" x 1' 2 1/4" x 7 3/8" "
 6' 4 1/2" x 1' 4 1/2" x 8 1/4" "

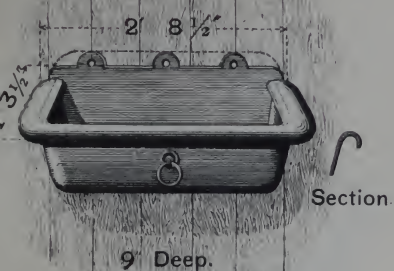
No. 14



No. 17

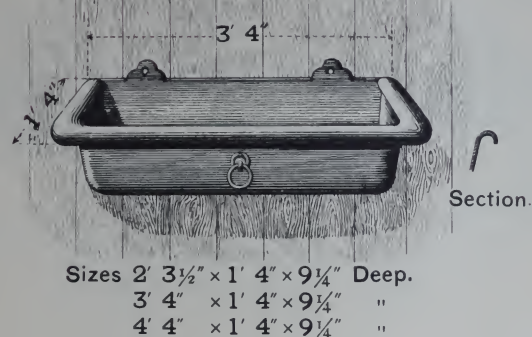


No. 8

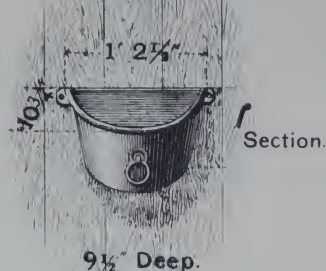


Can also be supplied
 40" x 1' 3 1/2" x 9" deep, but
 with flange at back, as
 indicated by dotted line.

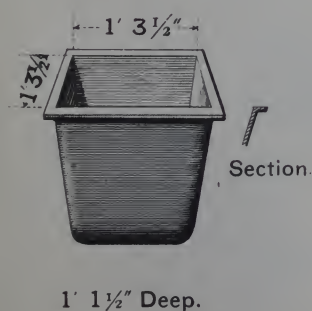
No. 31



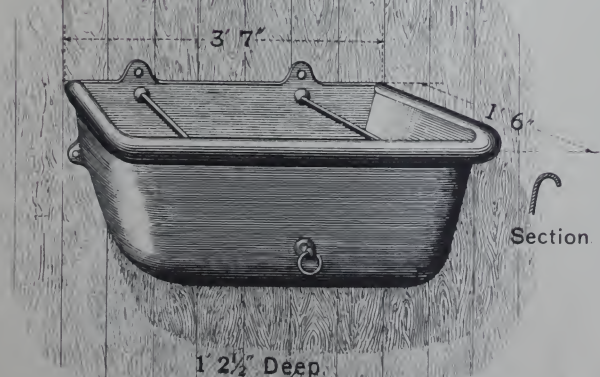
No. 45



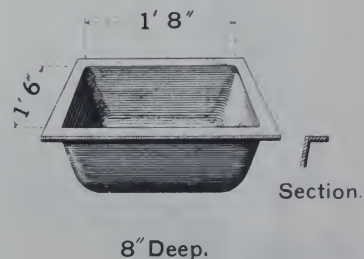
No. 47



No. 48



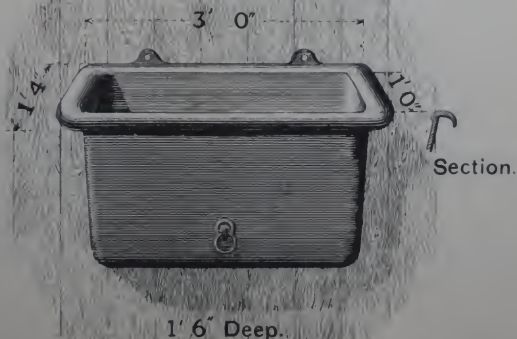
No. 49



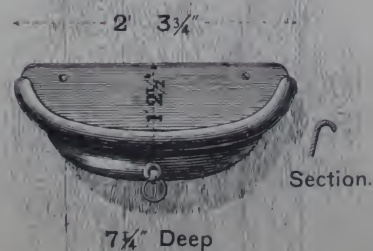
No. 52



No. 56



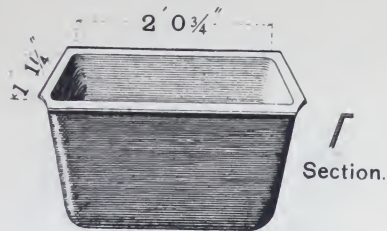
No. 54



MANGERS AND CORNER MANGERS

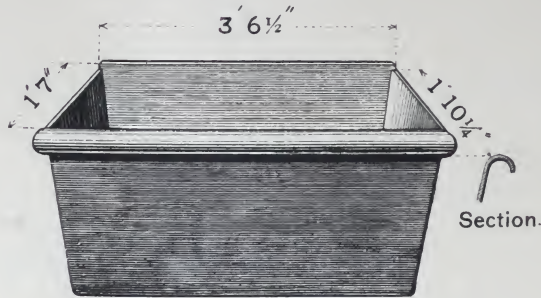
RINGS *Charged Extra.*

No. 58



1' 0" Deep.

No. 60



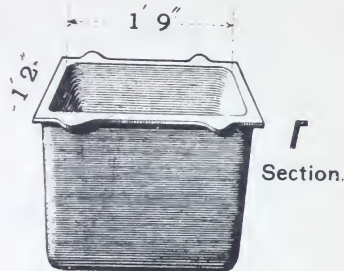
1' 6" Deep.

No. 59



Sizes 1' 2" x 10" x 9" Deep.
" 2' 0" x 10" x 9 1/2" "

No. 61



1' 6" Deep.

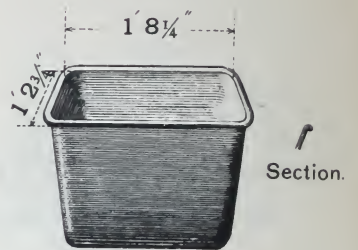
No. 12



8" Deep.

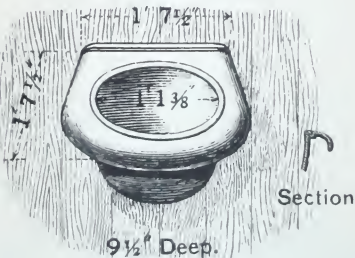
Sizes 3' 8" x 1' 3 1/4" Manger 3' 2" x 8" Deep.
" 4' 2 1/4" x 1' 3 1/4" " 4' 0" x 8" "
" 6' 0" x 1' 3 1/4" " 5' 6" x 8" "
" 6' 5" x 1' 3 1/4" " 5' 6" x 8" "

No. 18



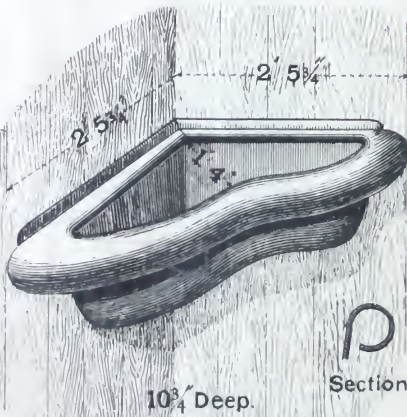
1' 0" Deep.

No. 69
Water Pot Lifts Out.



9 1/2" Deep.

No. 68



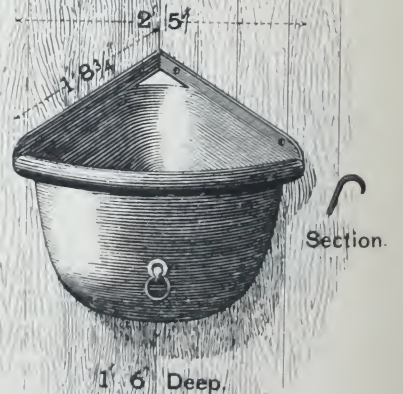
10 3/4" Deep.

No. 163



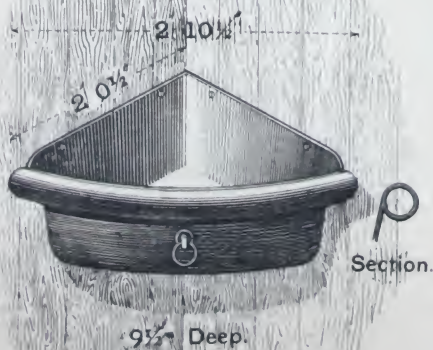
8 5/8" deep.

No. 51



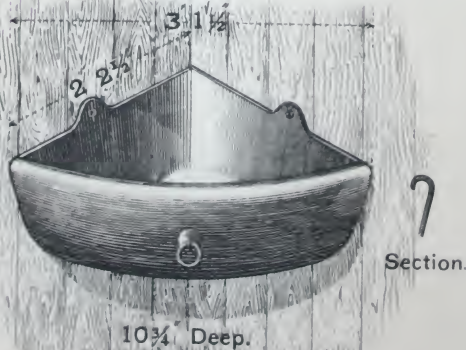
1' 6" Deep.

No. 76



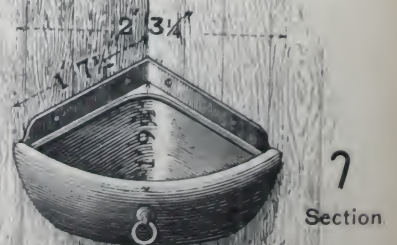
9 1/2" Deep.

No 57



10 3/4" Deep.

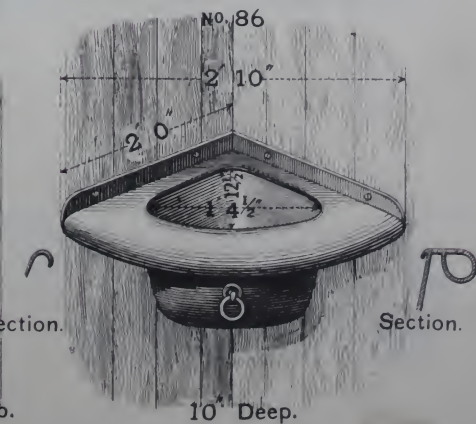
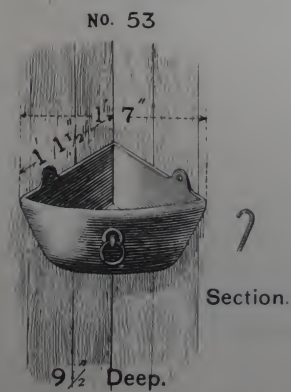
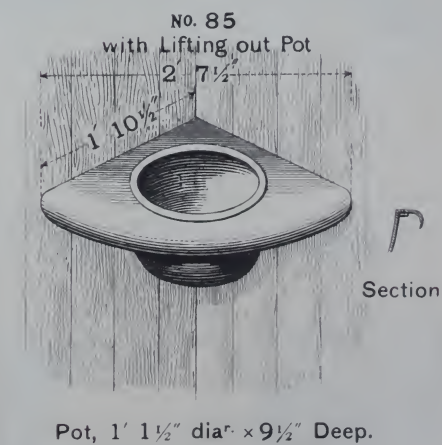
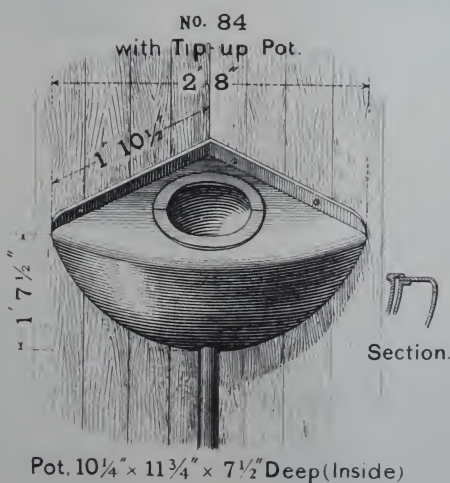
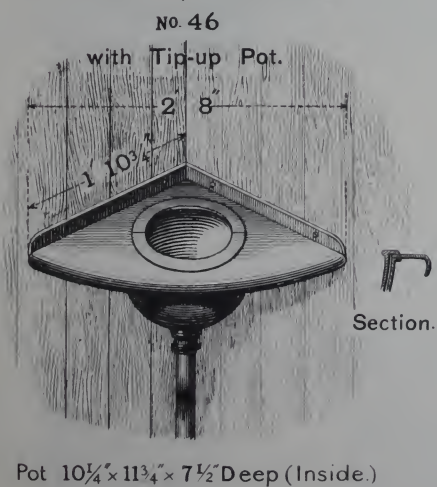
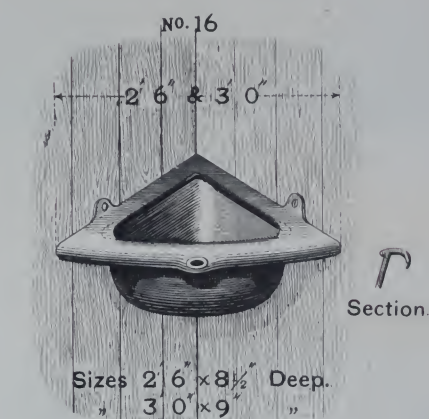
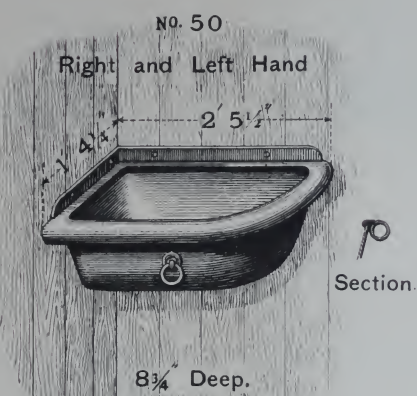
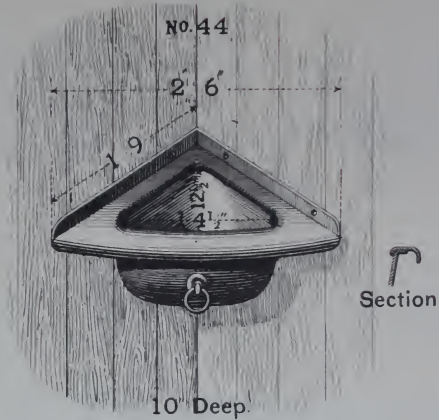
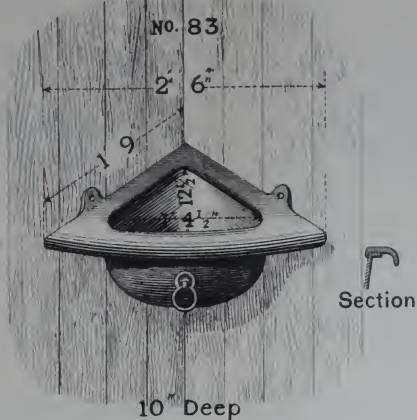
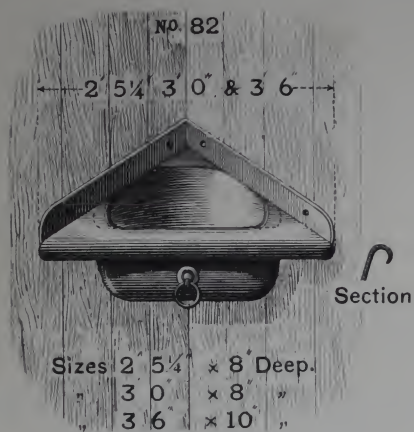
No 81



Sizes 1' 6" x 1' 6" x 8 1/2" Deep.
" 2' 3" x 1' 9 1/2" x 9" "

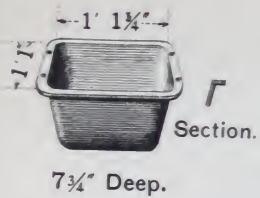
CORNER MANGERS

RINGS Charged Extra.

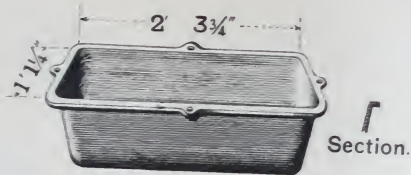


MANGERS AND WATER-POTS.

No. 87



No. 88



Sizes (Inside).

1' 8 3/4" x 1' 0" x 7 3/4" Deep.
1' 10 1/2" x 1' 0" x 7 3/4" "
2' 0" x 1' 1" x 8 1/2" "
2' 2" x 1' 0" x 7 3/4" "
2' 3 3/4" x 1' 1 1/4" x 7 3/4" "
2' 3 3/4" x 1' 1 1/4" x 9 1/4" "
2' 3 3/4" x 1' 3" x 11" "
2' 5 3/4" x 1' 1 3/8" x 10 5/8" "

No. 89



Sizes (Inside).

1' 0" x 0' 11 3/8" x 7 3/4" Deep.
1' 0 3/4" x 1' 1" x 8 1/2" "
1' 1 3/8" x 1' 1 3/8" x 8 3/4" "

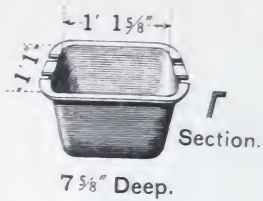
No. 90



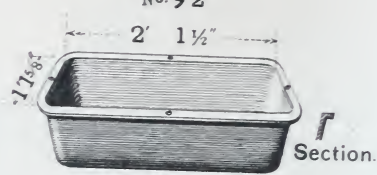
Sizes (Inside).

1' 11 1/2" x 1' 1 3/8" x 0' 8 3/4" Deep.
2' 1" x 1' 1 3/8" x 0' 8 3/4" "
2' 1" x 1' 1 3/8" x 1' 2 3/4" "
2' 3" x 1' 1 3/8" x 1' 0 3/4" "
2' 5" x 1' 1 3/8" x 0' 8 3/4" "
2' 5" x 1' 1 3/8" x 1' 0 3/4" "
2' 8" x 1' 1 3/8" x 0' 8 3/8" "

No. 91



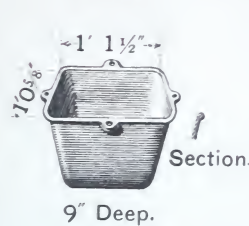
No. 92



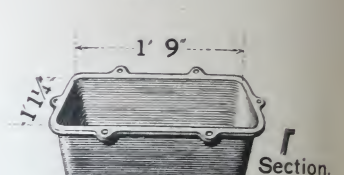
Sizes (Inside).

1' 11" x 1' 1 1/4" x 7 3/8" Deep.
2' 0" x 1' 1 1/2" x 8" "
2' 1 1/2" x 1' 1 5/8" x 8" "

No. 93



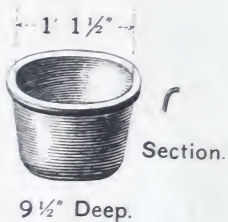
No. 94



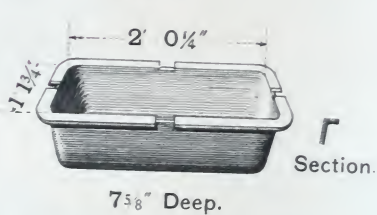
Sizes (Inside).

1' 7" x 1' 1 1/4" x 8 5/8" Deep.
1' 9" x 1' 1 1/4" x 8 5/8" "

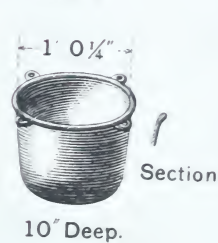
No. 95



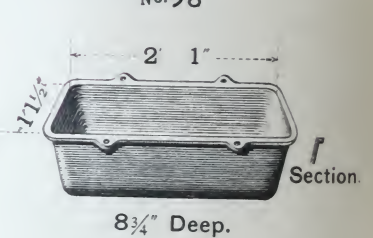
No. 96



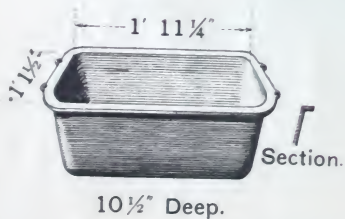
No. 97



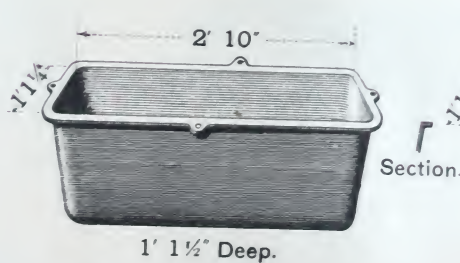
No. 98



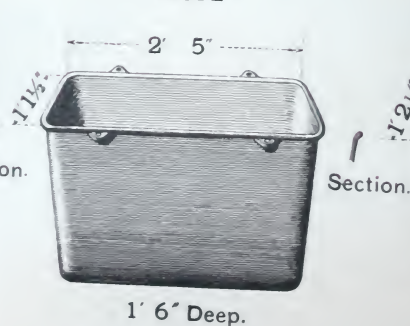
No. 99



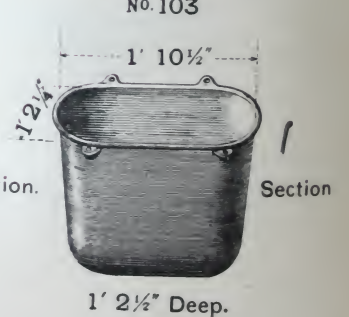
No. 100



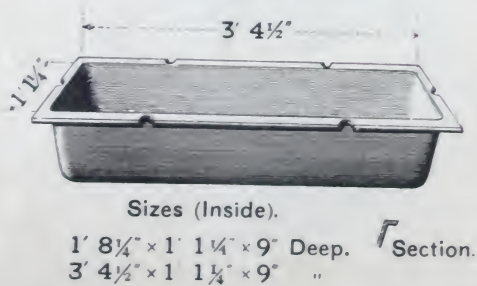
No. 102



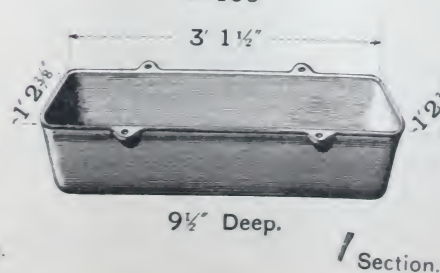
No. 103



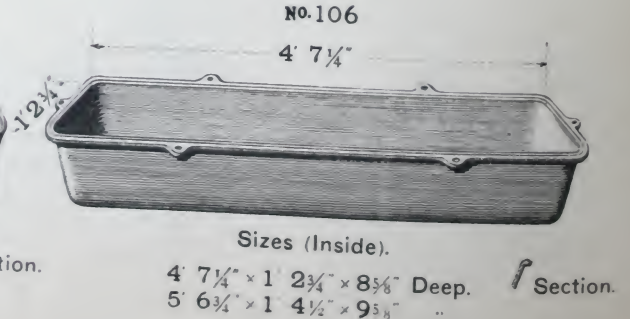
No. 104



No. 105



No. 106



Sizes (Inside).

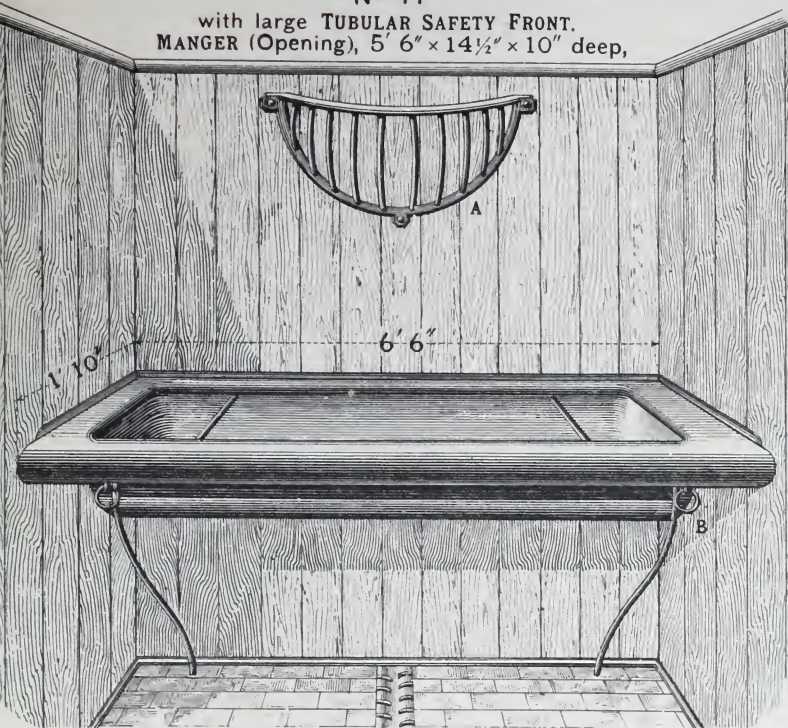
4' 7 1/4" x 1' 2 3/4" x 8 5/8" Deep.
5' 6 3/4" x 1' 4 1/2" x 9 3/8" "

IMPROVED STABLE FITTINGS. STALL MANGERS.

2179

No. 77 FASTENING SHOES, RINGS, FOOD GUARDS, &c., Charged Extra.

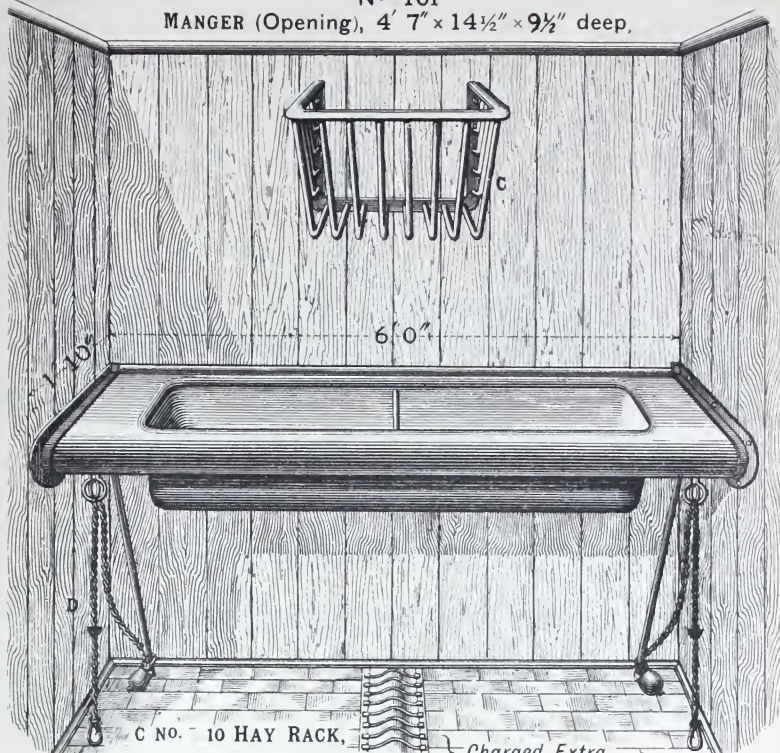
with large TUBULAR SAFETY FRONT.
MANGER (Opening), 5' 6" x 14½" x 10" deep,



A No. 1 HAY RACK.
B RINGS and RODS, for Tying Apparatus. } Charged Extra

No. 101

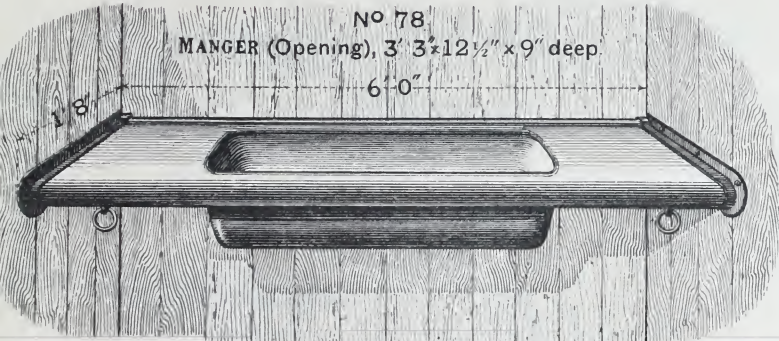
MANGER (Opening), 4' 7" x 14½" x 9½" deep,



C No. 10 HAY RACK,
D No. 303 TYING APPARATUS. } Charged Extra.

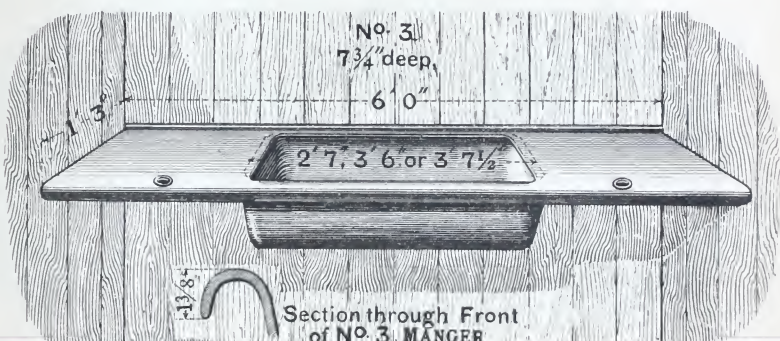
No. 78

MANGER (Opening), 3' 3½" x 12½" x 9" deep.



No. 3

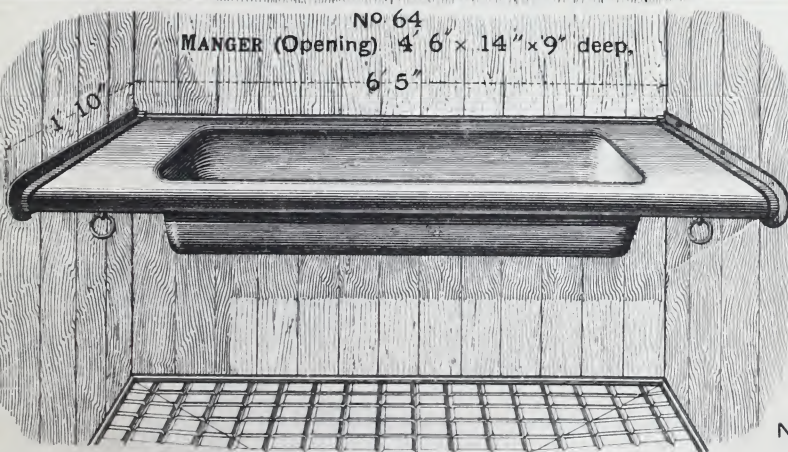
7¾" deep,



Section through Front
of No. 3 MANGER

No. 64

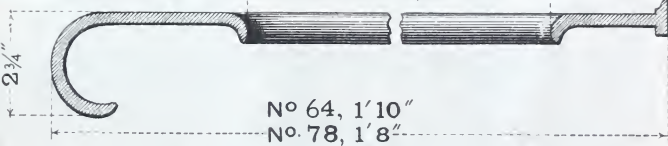
MANGER (Opening), 4' 6" x 14" x 9" deep.



Sections of MANGER COVERS,

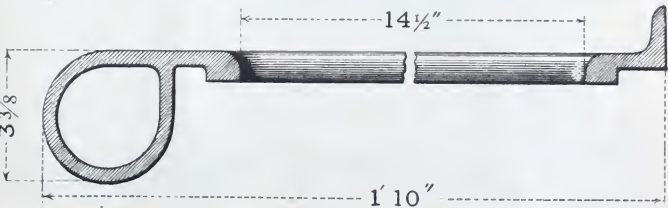
No. 64, 14"
No. 78, 12½"

No. 64
and
No. 78

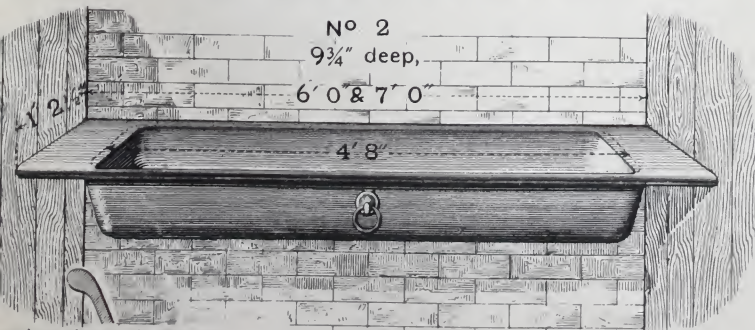
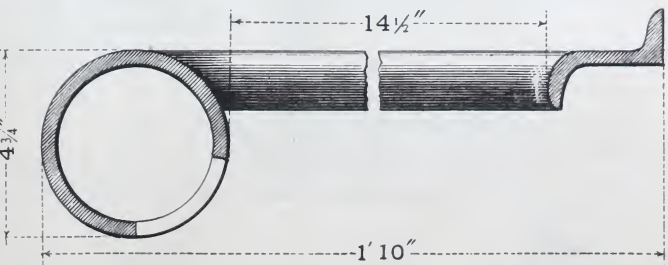


No. 64, 1' 10"
No. 78, 1' 8"

No. 101



No. 77

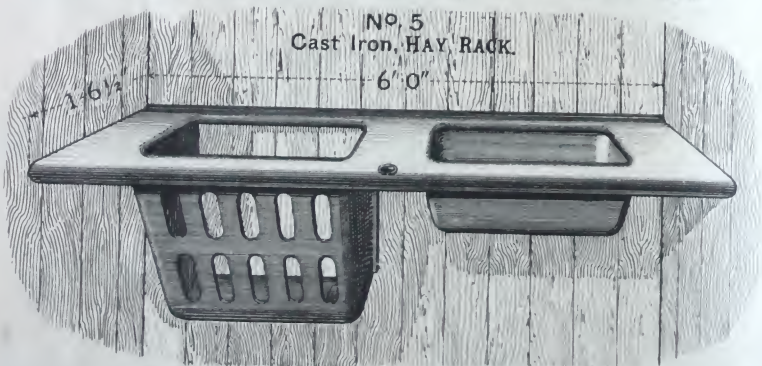
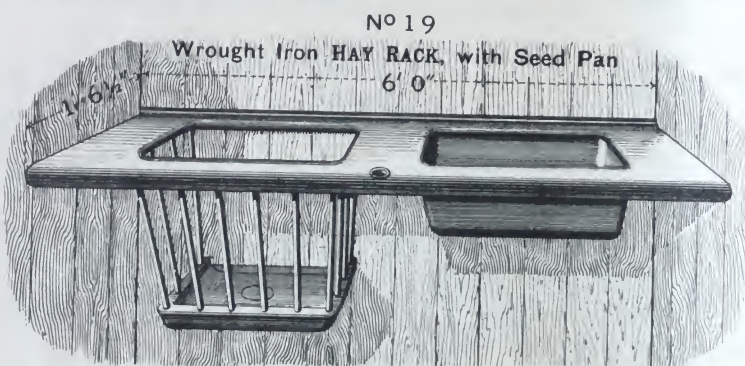
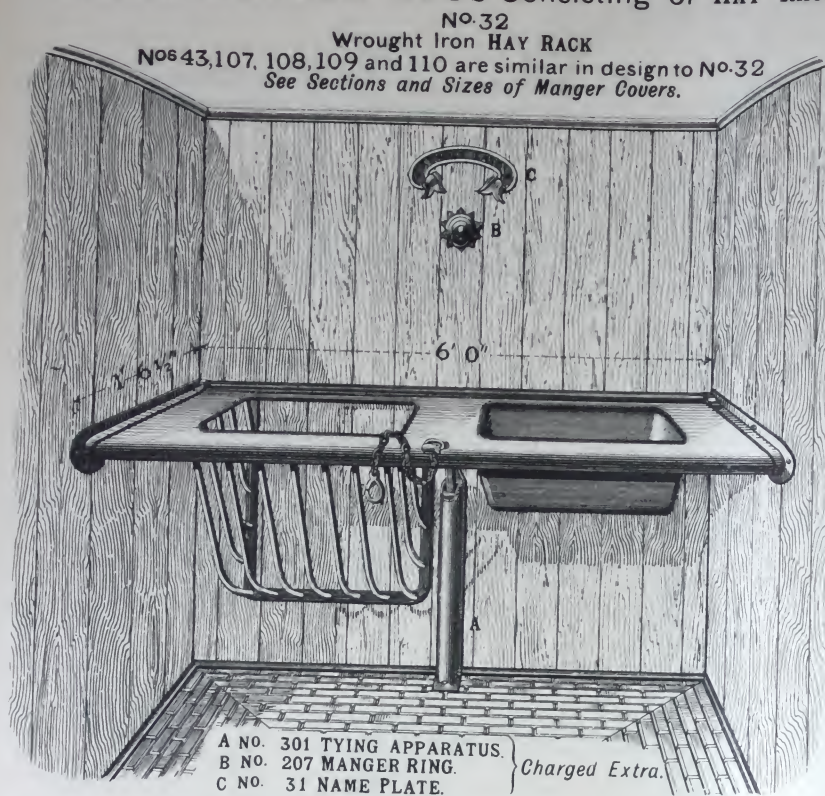


Section through Front
of No. 2 MANGER

WOOD FOR DIVISIONS, AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.

IMPROVED STABLE FITTINGS.

STALL MANGER SETS Consisting of HAY RACK (Right or Left Hand) and MANGER. (FASTENING SHOES, Charged Extra)

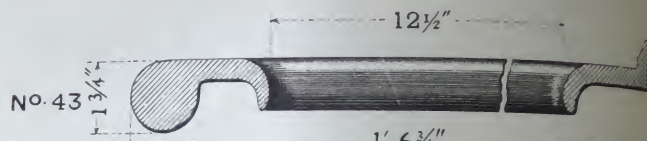


Sections of MANGER COVERS, 6' 0" long with Wrought Iron Hay Rack (Right or Left Hand) similar to No. 32

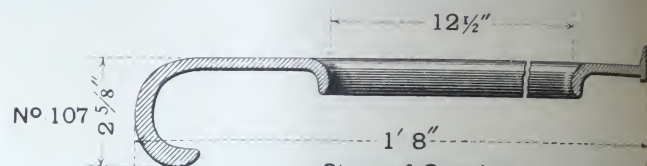
No. 32
same Cover
used for Nos.
5, 19, and 20



Sizes of Openings
HAY RACK. 23" x 12 1/2"
MANGER. 23" x 12 1/2" x 9" deep,
MANGER can also be had 15" deep, and the 9" deep,
to LIFT OUT, to Order



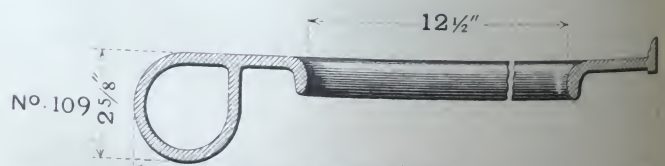
Sizes of Openings.
HAY RACK. 27" x 12 1/2"
MANGER. 27" x 12 1/2" x 13" deep
Can also be had 9" or
18" deep, to Order.



Sizes of Openings.
HAY RACK. 23" x 12 1/2" (Right Hand). 26" x 12 1/2" x 9" deep.
26" x 12 1/2" (Left Hand). 26" x 12 1/2" x 9" "
Can also be had 13" or 18
deep, to Order.



Sizes of Openings.
HAY RACK. 26" x 14"
MANGER. 26" x 14" x 11 1/4" deep



Sizes of Openings.
HAY RACK. 27" x 12 1/2"
MANGER. 27" x 12 1/2" x 9" deep.
Can also be had 13" or 18" deep,
to Order.



Sizes of Openings.
HAY RACK. 26" x 12 1/2"
MANGER. 26" x 12 1/2" x 9" deep.
Can also be had 13" or 18
deep to Order.

WOOD FOR DIVISIONS, AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.

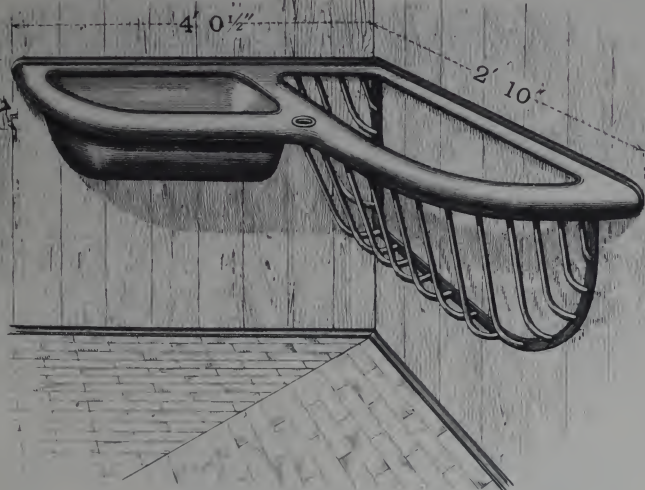
IMPROVED STABLE FITTINGS.

2181

LOOSE BOX MANGER SETS (*Right or Left Hand*), with Wrought Iron HAY RACK.

N^o 30

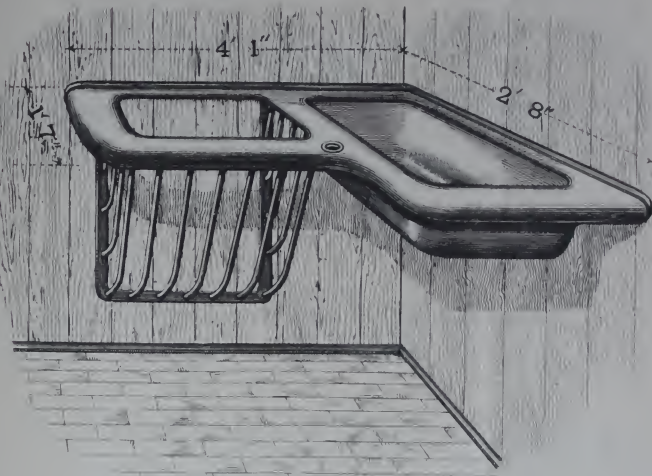
Right Hand. Can also be had *Left Hand*
N^o. 111 is similar in design to N^o. 30
See Sections and Sizes of Manger Covers.



MANGER 9" deep.

N^o 23

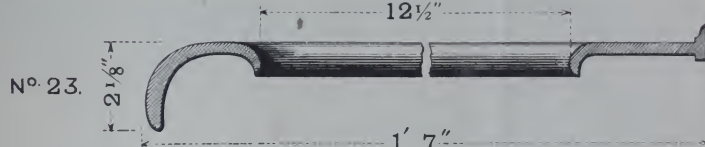
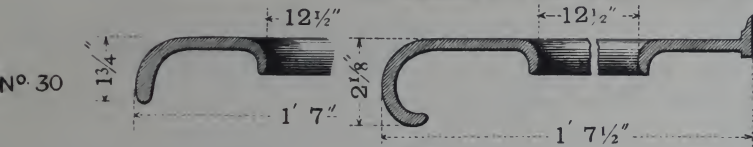
Right Hand. Can also be had *Left Hand*
MANGER (Opening), 22" x 12 1/2" x 9" deep.
Can also be had 15" deep, and the
9" deep to LIFT OUT, to Order.



Sections of MANGER COVERS

N^o 111

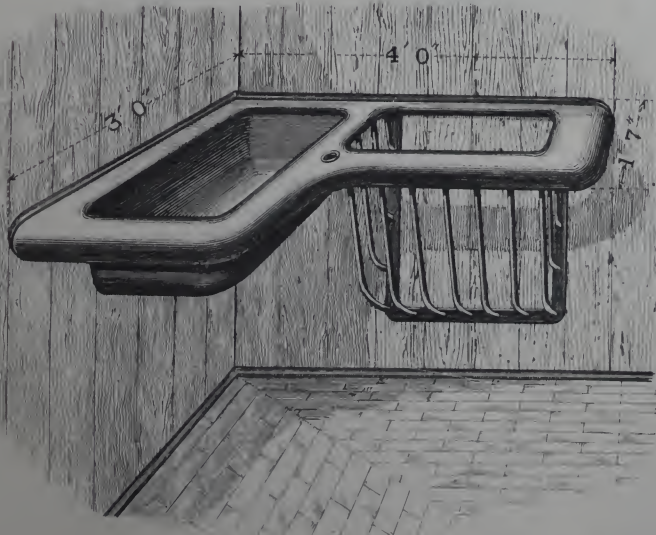
with MANGER and HAY RACK, similar to N^o. 30



N^o 112

Left Hand.

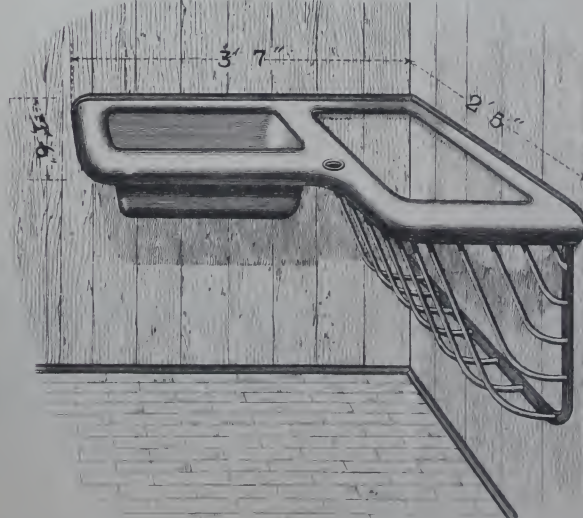
Can also be had *Right Hand*
MANGER (Opening) 26" x 12 1/2" x 9" deep.
Can also be had 13" or 18" deep, to Order.



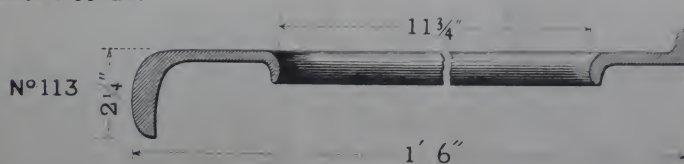
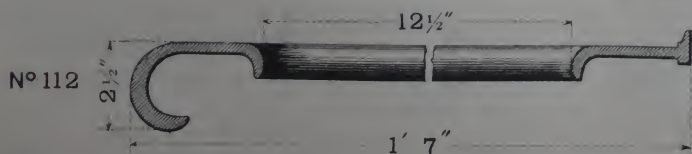
N^o 113

Right Hand.

Can also be had *Left Hand*
MANGER (Opening), 21" x 11 3/4" x 9" deep.



Sections of MANGER COVERS



WOOD FOR DIVISIONS, AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.

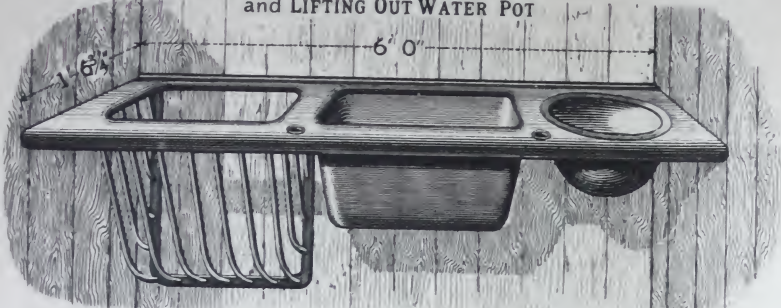
IMPROVED STABLE FITTINGS. STALL MANGER SETS

with Wrought Iron HAY RACK, MANGER and WATER POT

WATER POTS can be had ROUND instead of SQUARE or vice versa. and be made FIXED to LIFT OUT or TIP-UP. to Order.
LIFTING OUT MANGERS 9" deep. can be had for Nos 6, 7, 42, 115, 116 and 118 to Order.

No 42

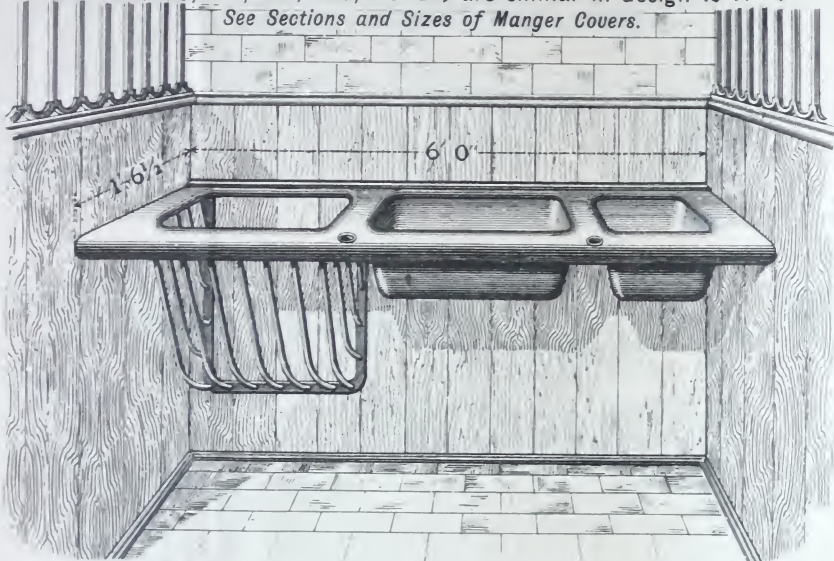
With wrought iron HAY RACK (Right or Left Hand)
and LIFTING OUT WATER POT



No. 7

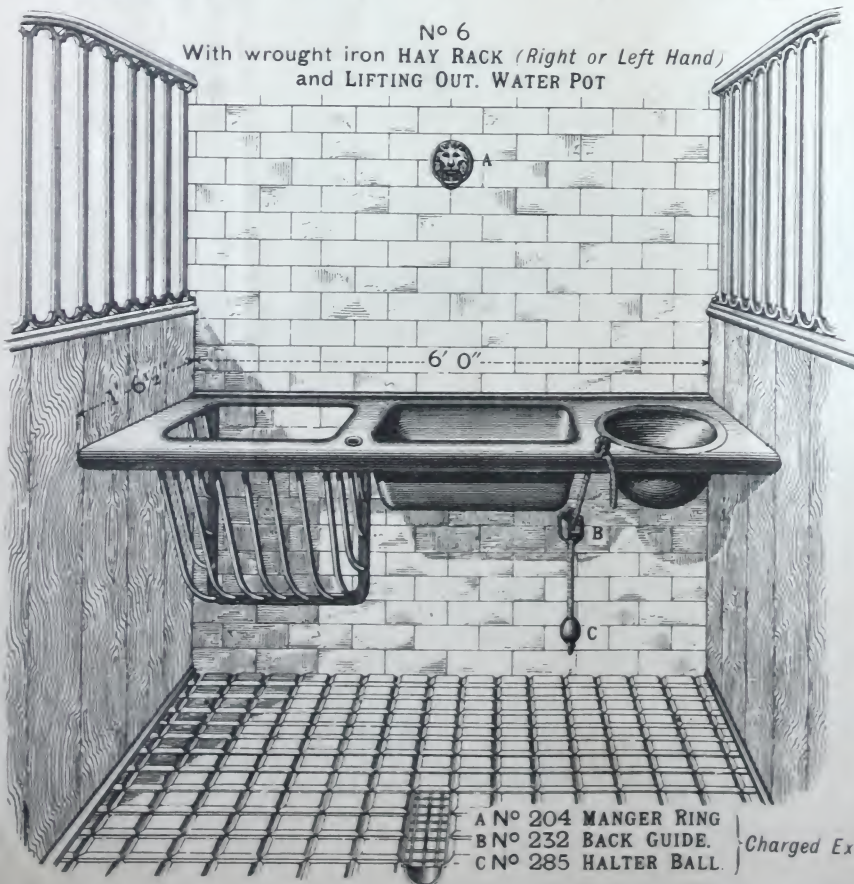
With Wrought Iron HAY RACK. (Right or Left Hand)

Nos 114, 115, 116, 117, 118, and 119 are similar in design to No 7
See Sections and Sizes of Manger Covers.



No 6

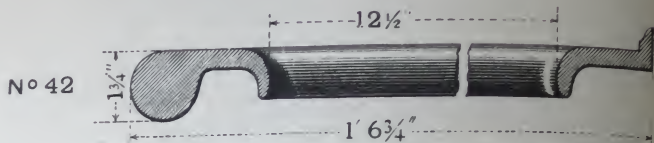
With wrought iron HAY RACK (Right or Left Hand)
and LIFTING OUT. WATER POT



A No 204 MANGER RING
B No 232 BACK GUIDE.
C No 285 HALTER BALL.

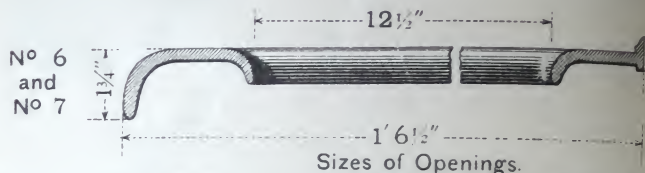
Charged Extra.

Sections of MANGER COVERS,



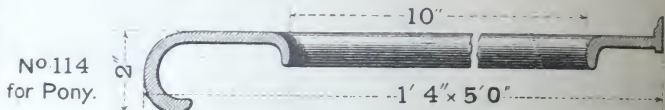
Sizes of Openings.

HAY RACK.	MANGER.	WATER POT.
20" x 12 1/2" (Right or Left)	23" x 12 1/2" x 15" deep.	13 1/2" round
	can also be had 9" "	9 1/2" deep



Sizes of Openings.

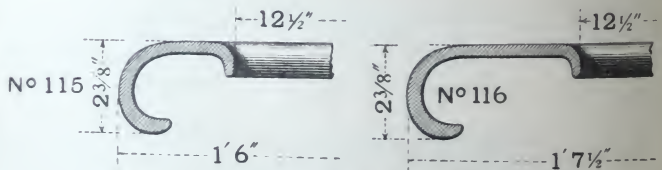
HAY RACK.	MANGER.	WATER POT.
No 6, 20" x 12 1/2" (Right or Left)	23" x 12 1/2" x 9" deep	13 1/2" round
No 7, 20" x 12 1/2" (")	23" x 12 1/2" x 9" "	11 1/4" x 12 1/2" rect
Nos 6 and 7 can also be had 15" deep, to Order		



Sizes of Openings.

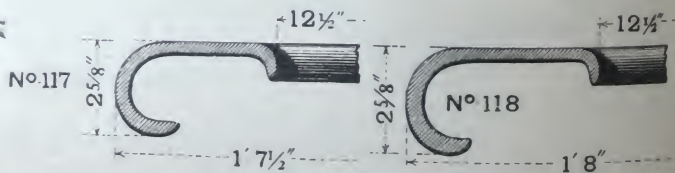
HAY RACK. as No 7	MANGER.	WATER POT.
15 1/2" x 10" (Left).	15 1/2" x 10" x 9" deep.	9" x 10"

Sections of MANGER COVERS, 6' 0" long,
with Wrought Iron HAY RACK. similar to No 7



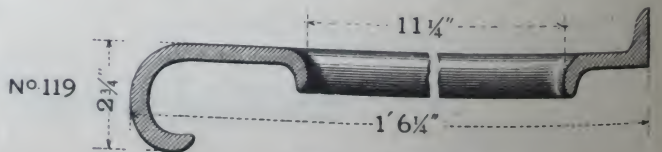
Sizes of Openings.

HAY RACK.	MANGER.	WATER POT.
No 115, 19 1/2" x 12 1/2" (Left)	22" x 12 1/2" x 9" deep.	12" x 12 1/2"
No 116, Can also be had 15" deep, to Order.	No 116 can also be had 6' 5" long,	



Sizes of Openings

HAY RACK.	MANGER.	WATER POT.
No 117, 18" x 12 1/2" (Left)	18" x 12 1/2" x 9" deep	12" x 12 1/2"
No 118, 19 1/2" x 12 1/2" (Left)	22" x 12 1/2" x 9" "	12" x 12 1/2"
No 118 can also be had 15" deep, to Order.		



Sizes of Openings.

HAY RACK	MANGER.	WATER POT.
22" x 11 1/4" (Left).	22" x 11 1/4" x 9" deep.	10 3/4" x 11 1/4"

WOOD FOR DIVISIONS AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.

IMPROVED STABLE FITTINGS.

STALL AND LOOSE BOX MANGER SETS with Wrought Iron HAY RACK.

2183

WATER POTS can be had ROUND instead of SQUARE, or vice versa. and be made FIXED, to LIFT OUT or TIP-UP, to Order.

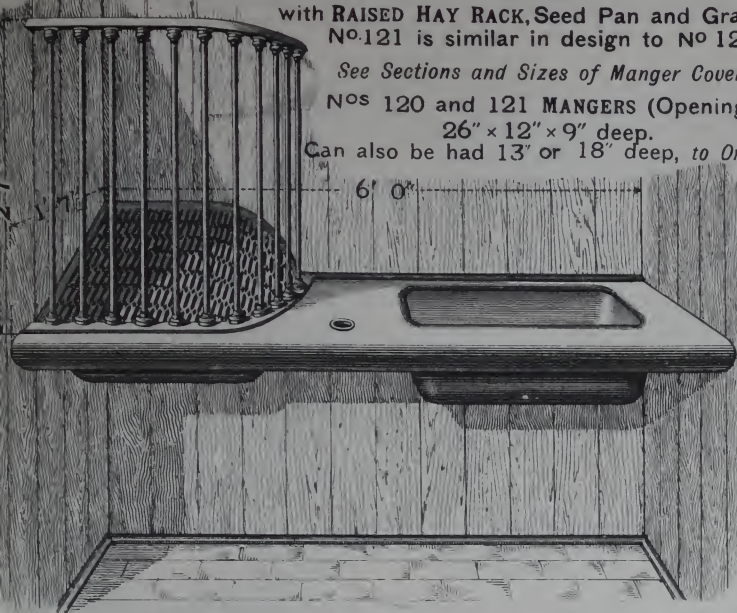
N^o 120

with RAISED HAY RACK, Seed Pan and Grating.
N^o 121 is similar in design to N^o 120.

See Sections and Sizes of Manger Covers

N^{os} 120 and 121 MANGERS (Opening),
26" x 12" x 9" deep.

Can also be had 13" or 18" deep, to Order.



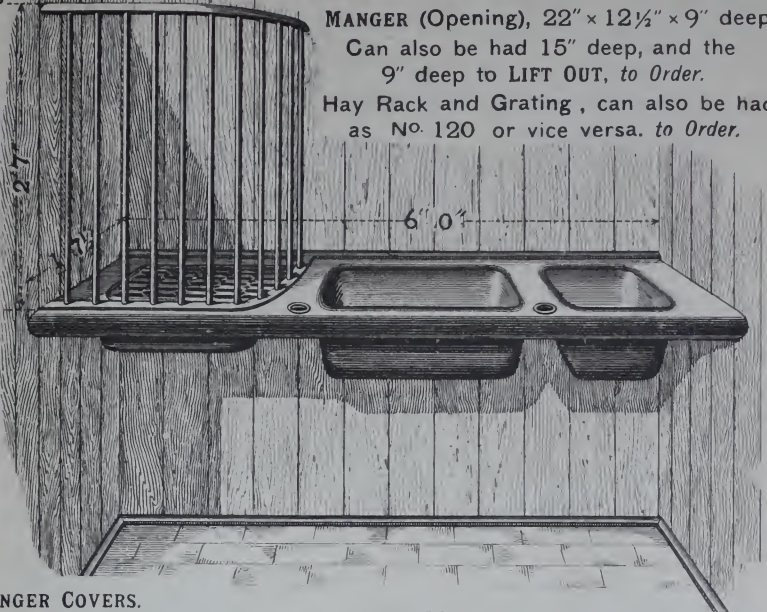
N^o 122

with RAISED HAY RACK, Seed Pan and Grating

MANGER (Opening), 22" x 12½" x 9" deep,

Can also be had 15" deep, and the
9" deep to LIFT OUT, to Order.

Hay Rack and Grating, can also be had
as N^o 120 or vice versa. to Order.



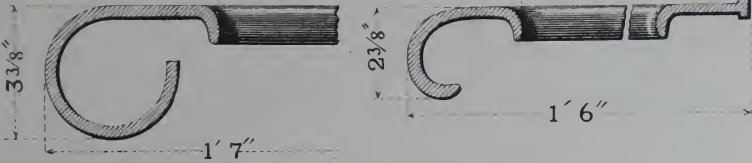
Sections of MANGER COVERS.

N^o 120

12"

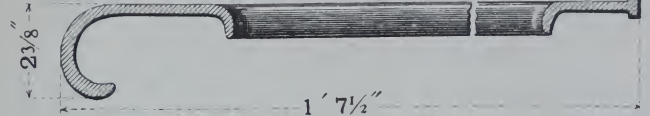
N^o 121 is similar in design to N^o 120

12"



N^o 122

12½"

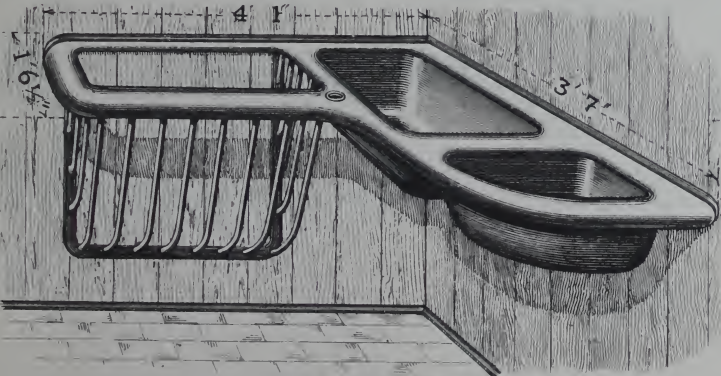


1' 7½"

N^o 28 Right Hand. Can also be had Left Hand

MANGER (Opening) 23" x 12½" x 9" deep

Can also be had 15" deep, and the 9" deep to LIFT OUT, to Order.



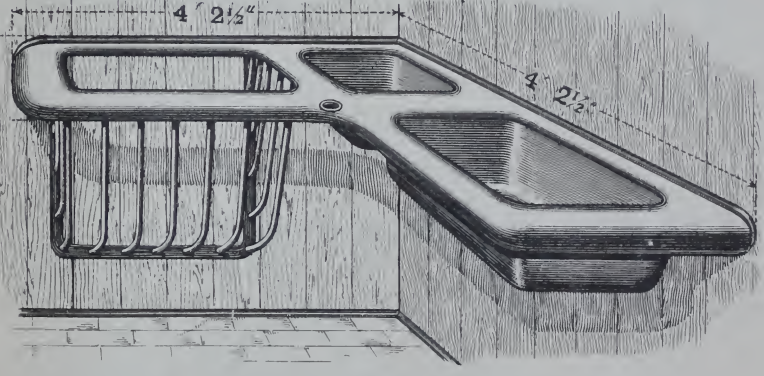
N^o 10 Right Hand. Can also be had Left Hand

N^o 123 is similar in design to N^o 10.

See Sections and Sizes of Manger Covers.

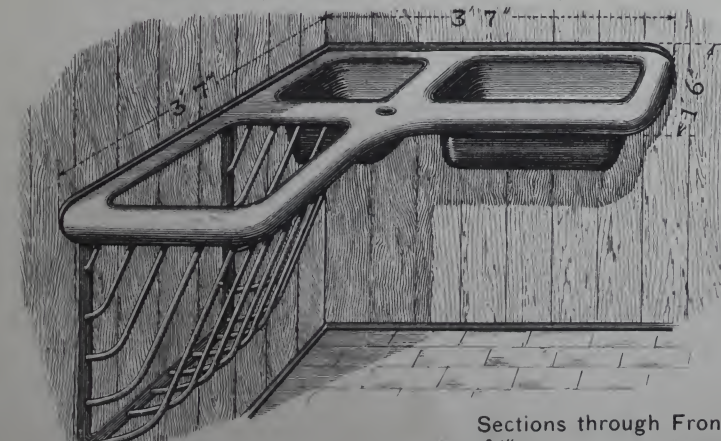
N^{os} 10 and 123 MANGERS (Opening), 22" x 12½" x 9" deep.

Can also be had 15" deep, and the 9" deep to LIFT OUT, to Order.



N^o 124 Left Hand Can also be had Right Hand

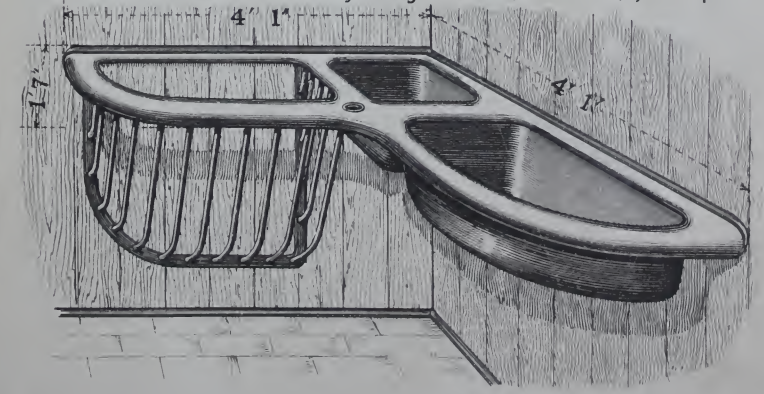
MANGER (Opening) 21" x 11¾" x 9" deep.



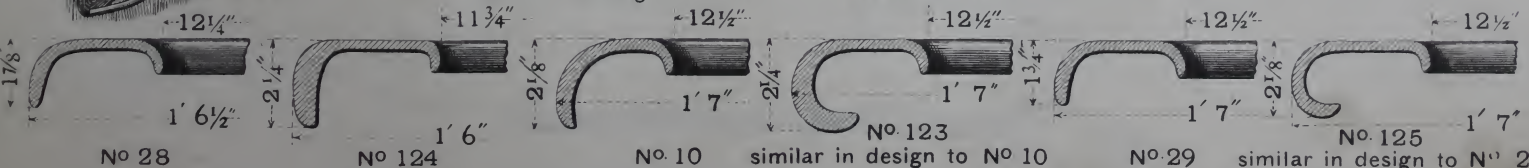
N^o 29 Right Hand Can also be had Left Hand

N^o 125 is similar in design to N^o 29

See Sections and Sizes of Manger Covers. MANGER 9" deep



Sections through Front Rolls of MANGER COVERS



N^o 28

N^o 124

N^o 10

similar in design to N^o 10

N^o 29

similar in design to N^o 29

WOOD FOR DIVISIONS, AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.

IMPROVED STABLE FITTINGS.

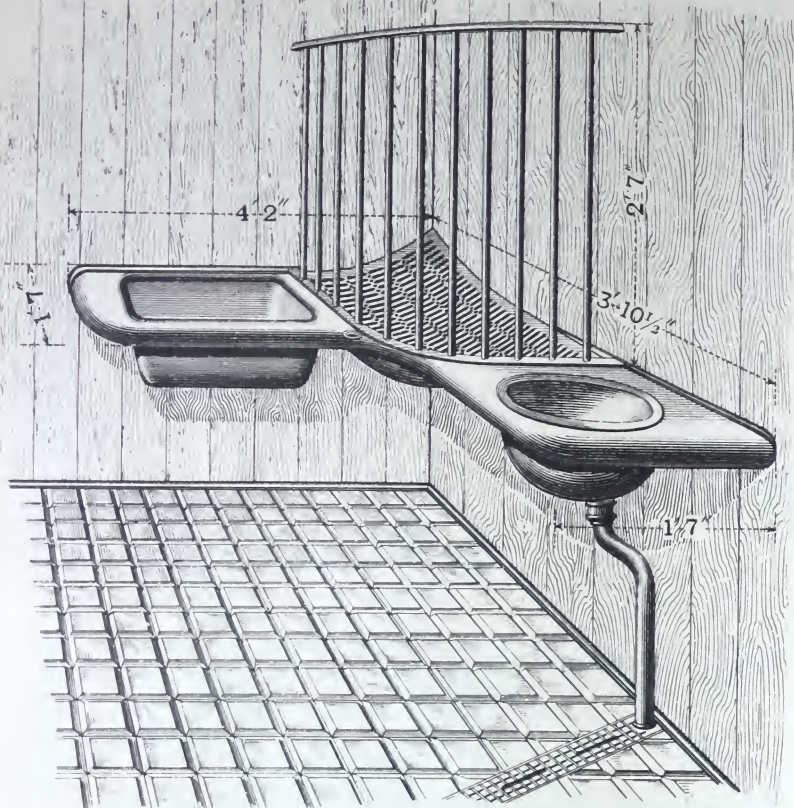
CORNER MANGER SETS Consisting of Wrought Iron HAY RACK,
with Seed Pan and Grating MANGER (Opening), 20" x 12½" x 9" deep. and WATER POT

WATER POTS can be had ROUND instead of SQUARE, or vice versa and be made FIXED, to LIFT OUT or TIP-UP, to Order

Nº 39

Right Hand.

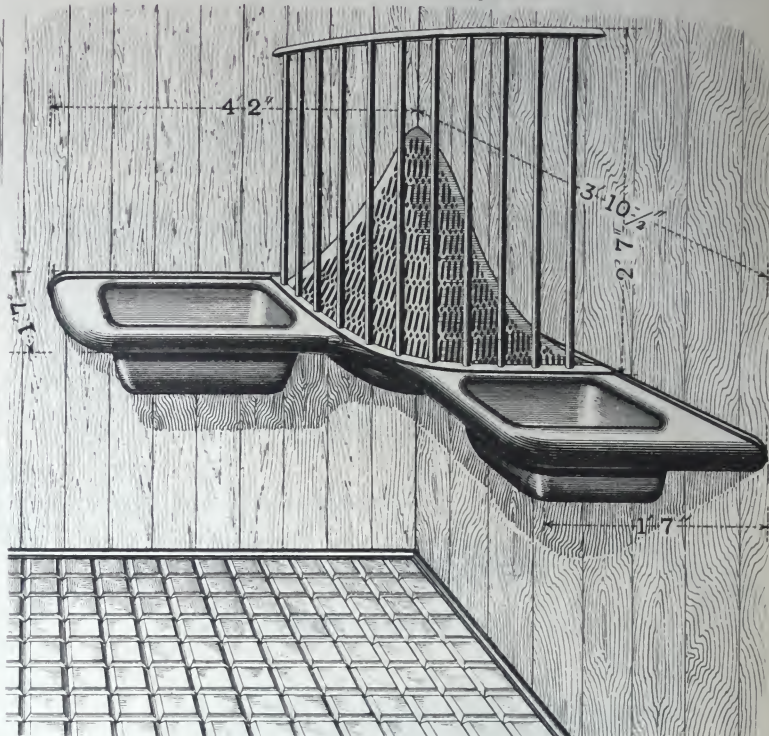
Can also be had Left Hand
with TIP-UP WATER POT and Waste Pipe



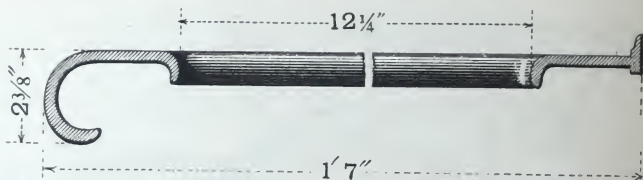
Nº 126

Right Hand.

Can also be had Left Hand



Section of Nº 127 MANGER COVER

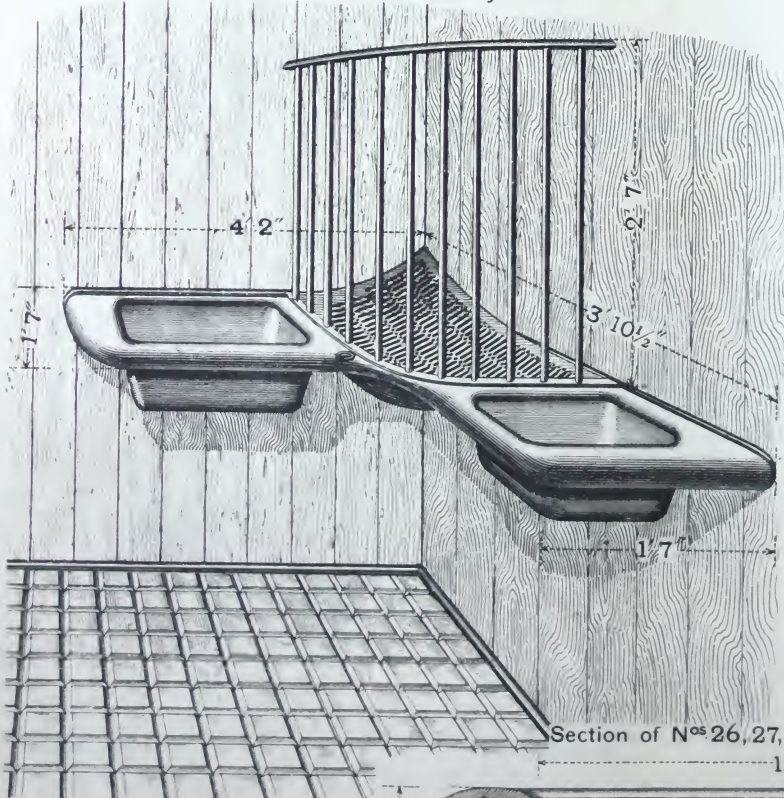


Nº 127 can be supplied either as Nºs 26, 27, 39, or 126.

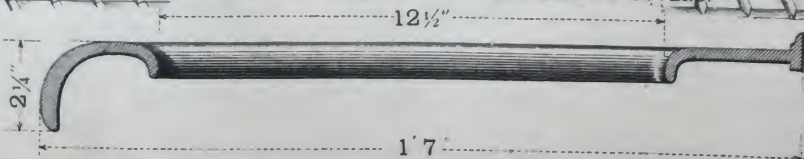
Nº 27

Right Hand.

Can also be had Left Hand



Section of Nºs 26, 27, 39 and 126 MANGER COVERS.

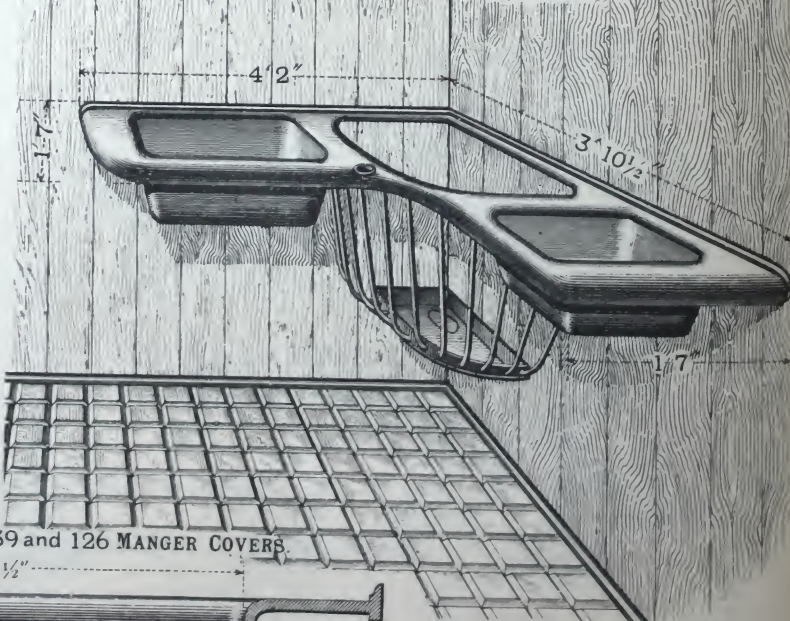


WOOD FOR DIVISIONS, AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.

Nº 26

Right Hand

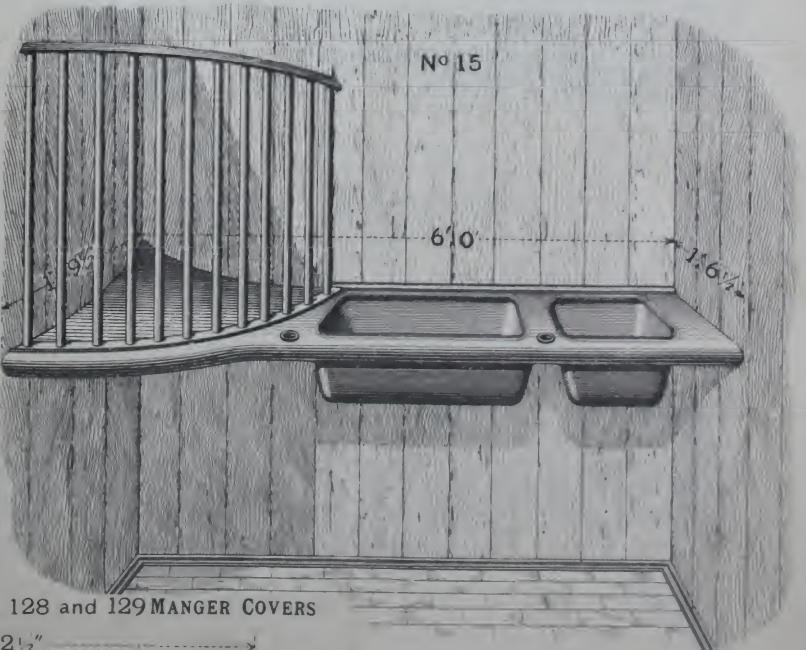
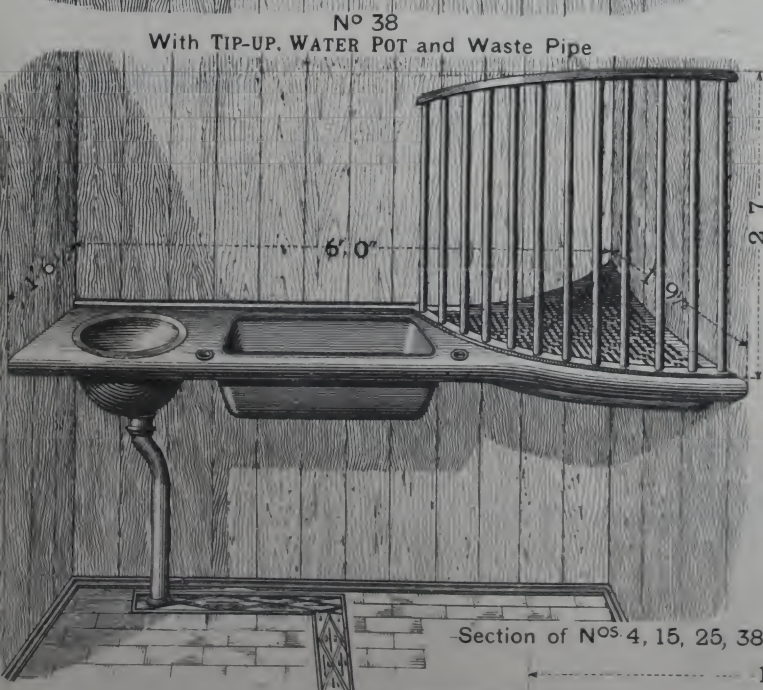
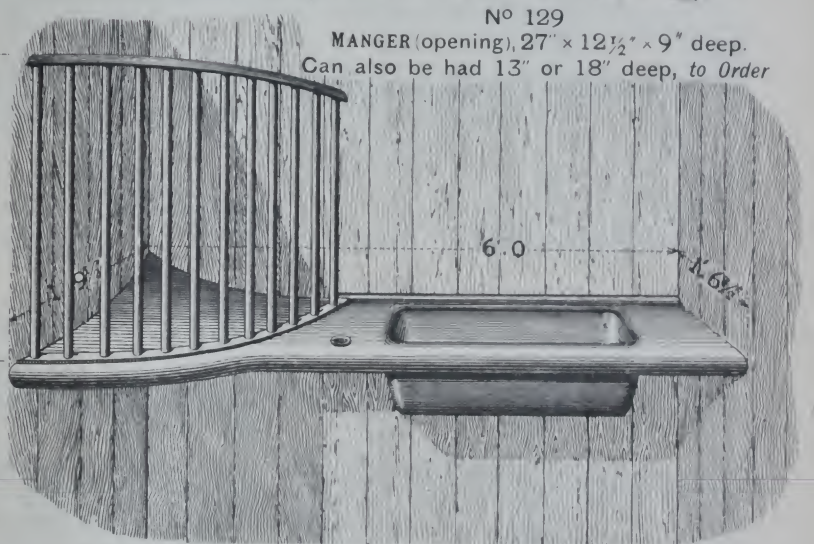
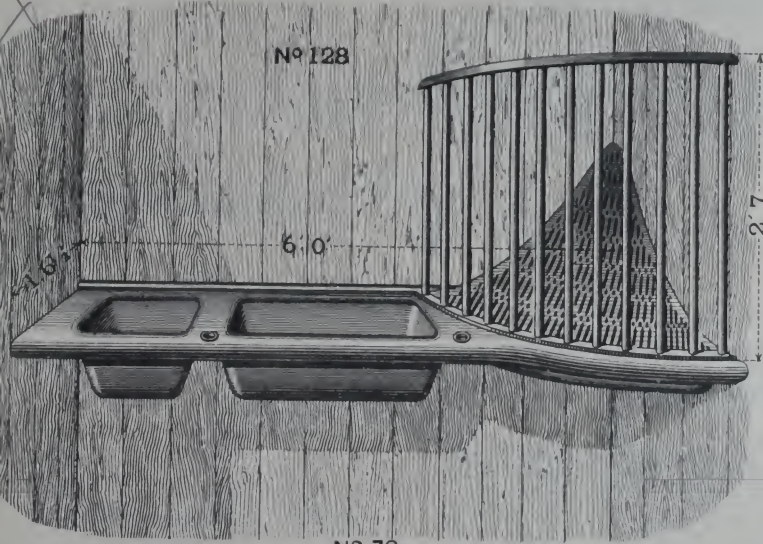
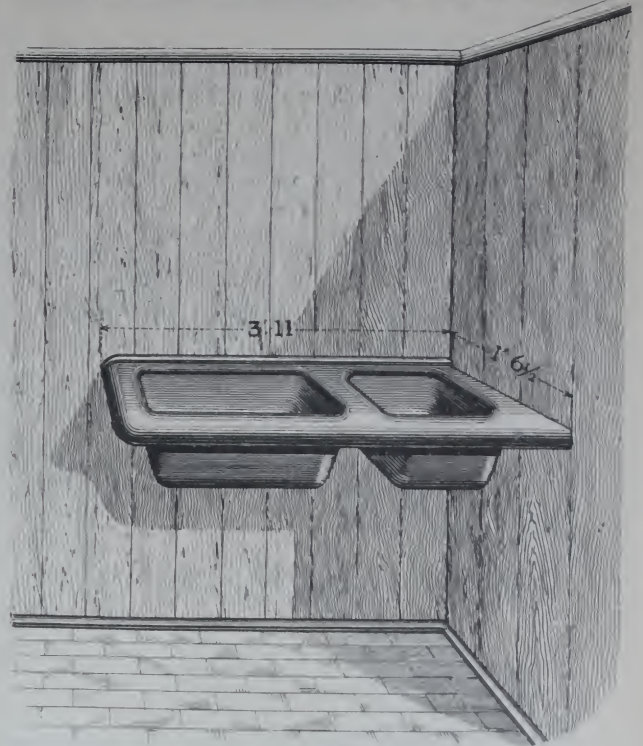
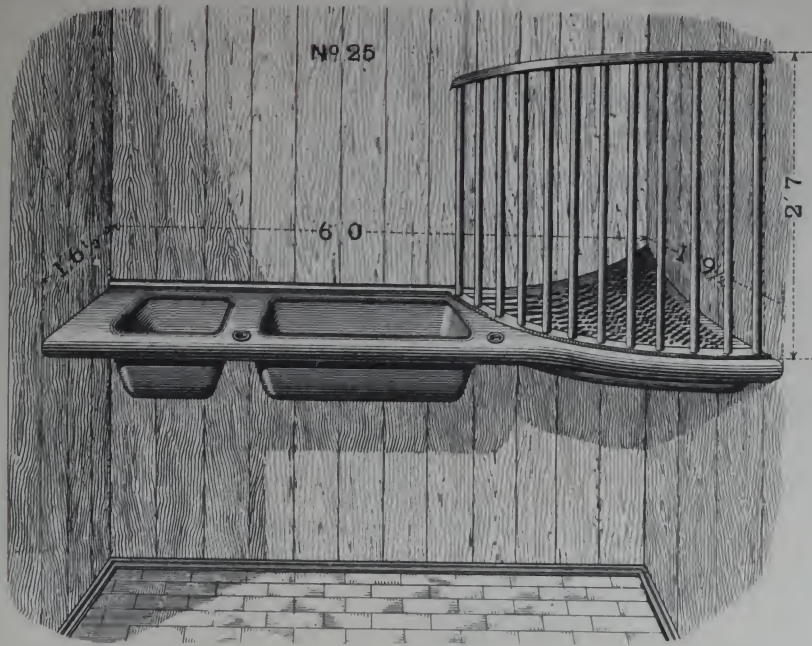
Can also be had Left Hand



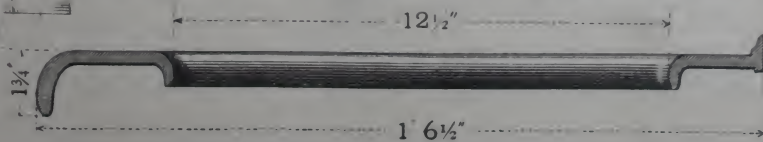
IMPROVED STABLE FITTINGS.

2185

STALL AND LOOSE BOX MANGER SETS Consisting of Wrought Iron RAISED HAY RACK, (Right or Left Hand, with Seed Pan and Grating or Seed Plate Nos. 4, 15, 25, 38, and 128, MANGERS (opening) 23" x 12½" x 9" deep. Can also be had 15" deep and the 9" deep to LIFT OUT, to Order. WATER POTS can be had ROUND Instead of SQUARE, or vice versa, and be made FIXED, to LIFT OUT or TIP-UP to Order.



Section of Nos 4, 15, 25, 38, 128 and 129 MANGER COVERS



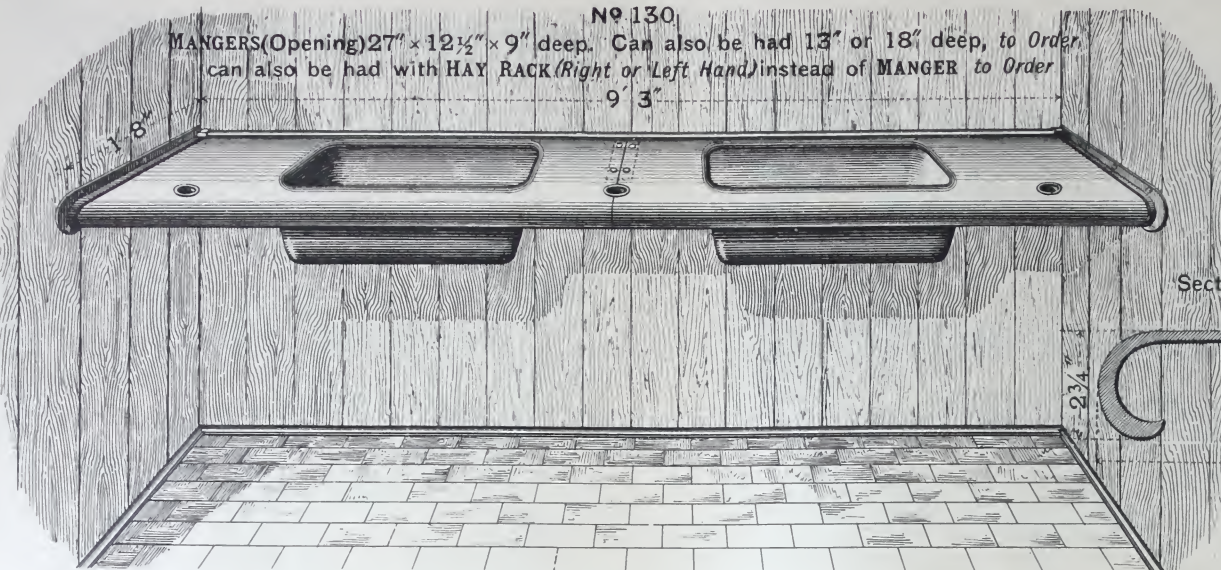
WOOD FOR DIVISIONS, AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.

IMPROVED STABLE FITTINGS.

MANGER SETS with Wrought Iron HAY RACK. (FASTENING SHOES, Charged Extra.)

No. 130

MANGERS (Opening) $27'' \times 12\frac{1}{2}'' \times 9''$ deep. Can also be had $13''$ or $18''$ deep, to Order. can also be had with HAY RACK (Right or Left Hand) instead of MANGER to Order



Section of No. 130 COVER

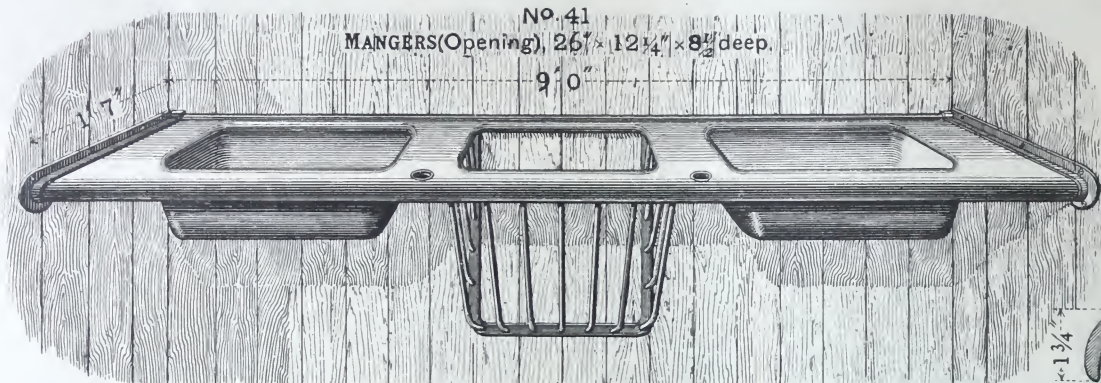
$12\frac{1}{2}''$

1' 8"

No. 41

MANGERS (Opening) $26'' \times 12\frac{1}{4}'' \times 8\frac{1}{2}''$ deep.

9' 0"



Section of No. 41 COVER

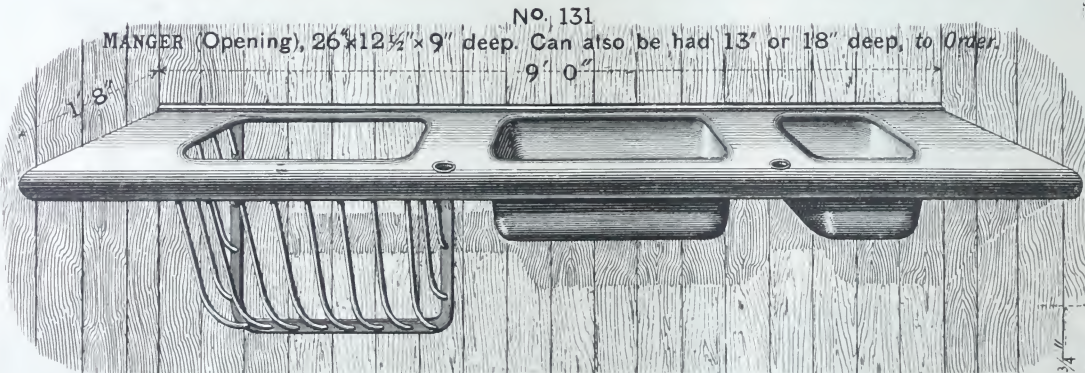
$12\frac{1}{4}''$

1' 7"

No. 131

MANGER (Opening) $26'' \times 12\frac{1}{2}'' \times 9''$ deep. Can also be had $13''$ or $18''$ deep, to Order.

9' 0"



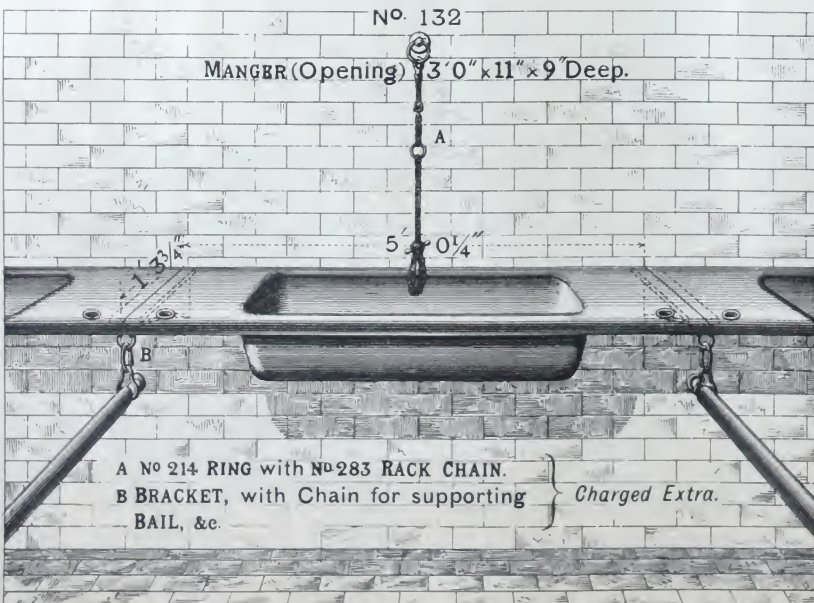
Section of No. 131 COVER

$12\frac{1}{2}''$

1' 8"

No. 132

MANGER (Opening) $3' 0'' \times 11'' \times 9''$ Deep.



A No 214 RING with No 283 RACK CHAIN.

B BRACKET, with Chain for supporting BAIL, &c.

Charged Extra.

Section of No. 132 COVER

11"

1' 3 3/4"

WOOD FOR DIVISIONS AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.

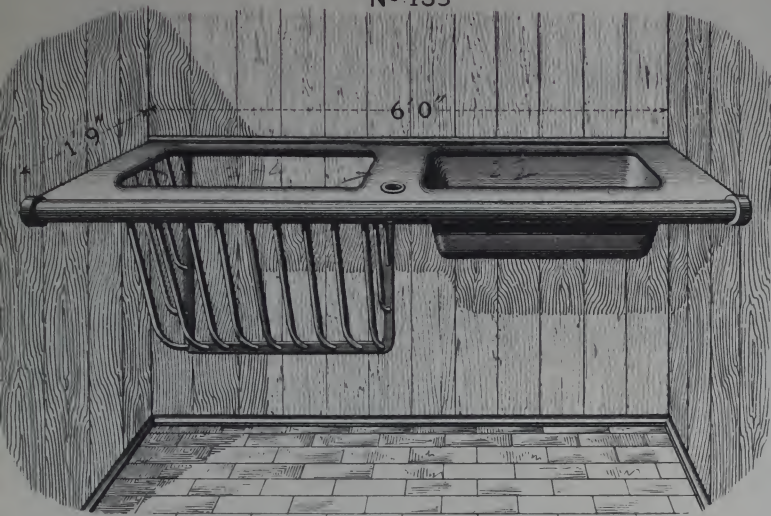
IMPROVED STABLE FITTINGS.

2187

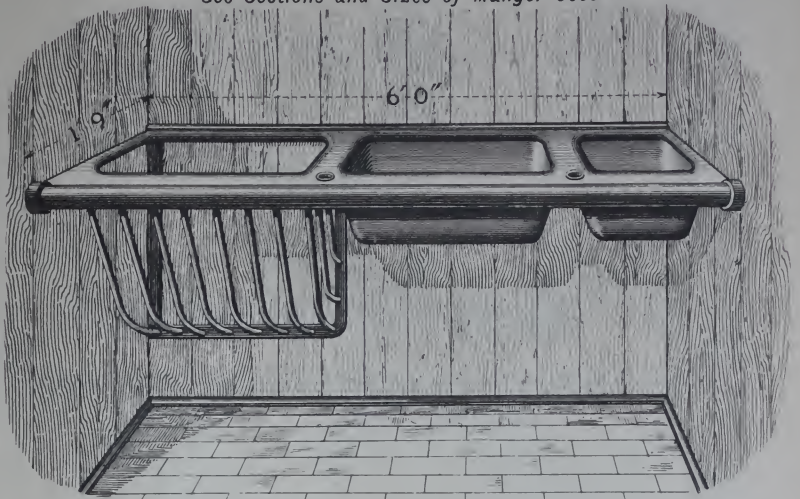
STALL MANGER SETS with Wrought Iron HAY RACK. and FRONT ROLLER

WATER POTS can be had ROUND instead of SQUARE, or vice versa. and be made FIXED, to LIFT OUT or TIP-UP, TO ORDER.

N^o 133

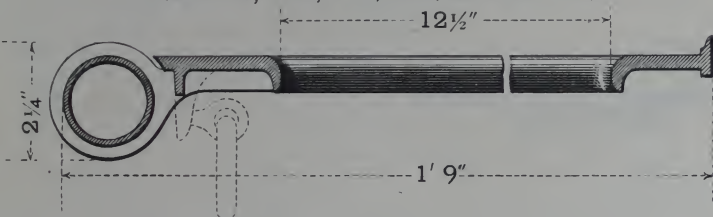


N^o 134.
N^{os}. 135, 136, 137, 138, and 139 are similar in design to N^o 134
See Sections and Sizes of Manger Covers.

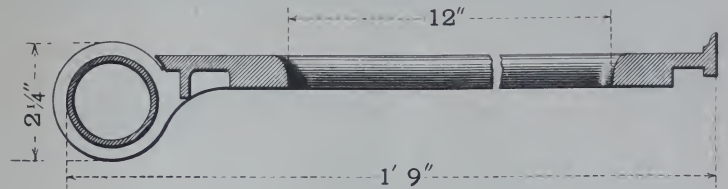


Sections through MANGER COVERS

N^{os}. 133, 135, 136, 137, 138, and 139



N^{os}. 134 and 140



Sizes of Openings.

HAY RACK.

N^o. 133, 26" x 12 1/2" (Left).

MANGER.

26" x 12 1/2" x 9" Deep.

Can also be had 13" or 18" deep, to Order.

Can also be had 6' 8" long, but same Section as N^o. 134.

Length

N^o 134, 6' 0"
N^o 135, 5' 8"
N^o 136, 6' 0"
N^o 137, 6' 0"
N^o 138, 6' 6"
N^o 139, 6' 0"

Sizes of Openings

HAY RACK

24" x 12" (Left).
19" x 12 1/2" (Left).
19 1/4" x 12 1/2" (Left).
22" x 12 1/2" (Right).
22" x 12 1/2" (Right or Left).
20" x 12 1/2" (Right or Left).

MANGER

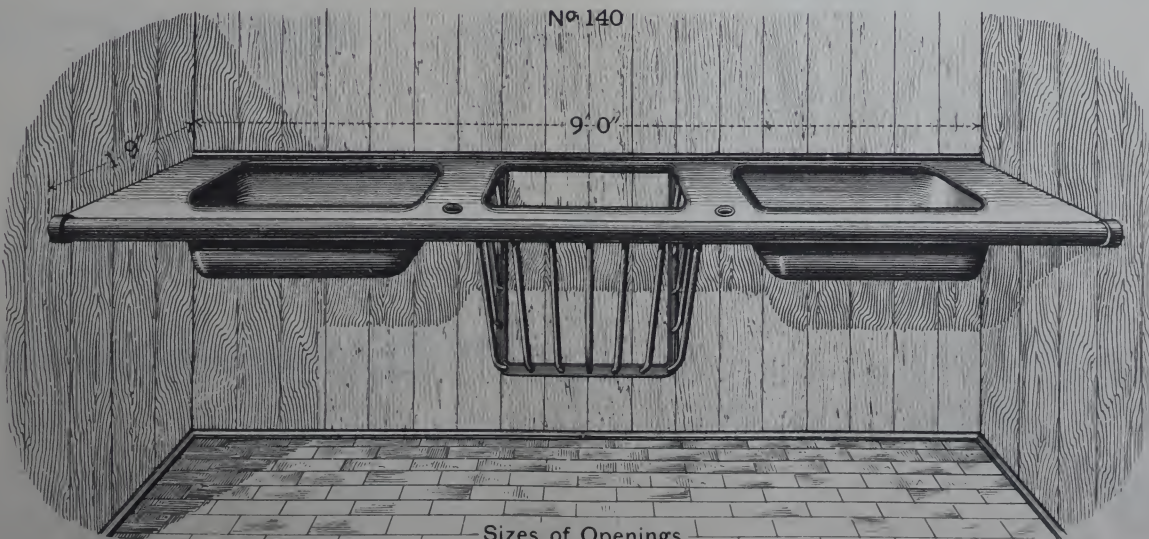
23" x 12" x 8 1/2" deep
20" x 12 1/2" x 9"
22" x 12 1/2" x 9"
17 1/2" x 12 1/2" x 9"
22" x 12 1/2" x 9"
23" x 12 1/2" x 9"

WATER POT.

11 1/2" x 12"
" 12" x 12 1/2"
" 12" x 12 1/2"
" 12" x 12 1/2"
" 12" x 12 1/2"
" 11 1/2" x 12 1/2"

MANGERS, of N^{os}. 136, 138 and 139 can also be had 15" deep, and the 9" deep to LIFT OUT, to Order.

N^o 140



Sizes of Openings.

MANGER.

26" x 12 1/4" x 8 1/2" deep.

HAY RACK.

21 1/2" x 12 1/4"

MANGER

26" x 12 1/4" x 8 1/2" deep.

WOOD FOR DIVISIONS, AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.

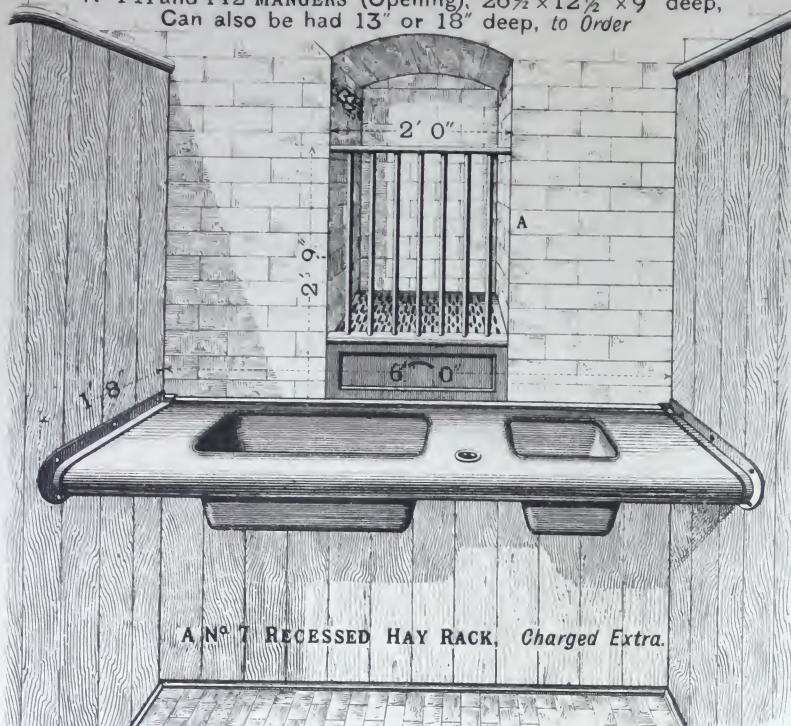
IMPROVED STABLE FITTINGS. STALL AND LOOSE BOX MANGER SETS

2188 WATER POTS can be had ROUND instead of SQUARE, or vice versa. and be made FIXED, to LIFT OUT or TIP-UP. to Order
FASTENING SHOES, Charged Extra

Nº 141

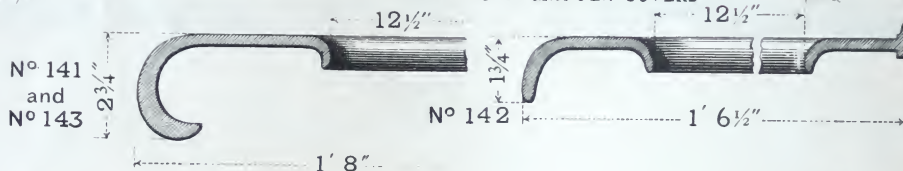
Nº 142 is similar in design but Opposite in Hand to Nº 141
See Sections and Sizes of Manger Covers.

Nº 141 and 142 MANGERS (Opening), $26\frac{1}{2}'' \times 12\frac{1}{2}'' \times 9''$ deep,
Can also be had 13" or 18" deep, to Order



A Nº 7 RECESSED HAY RACK. Charged Extra.

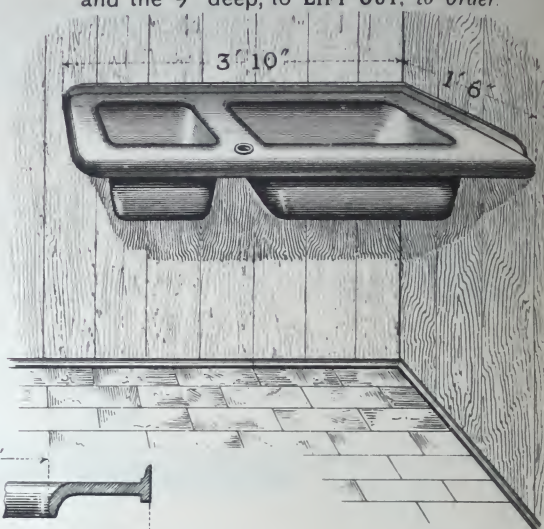
Sections of MANGER COVERS



Nº 9

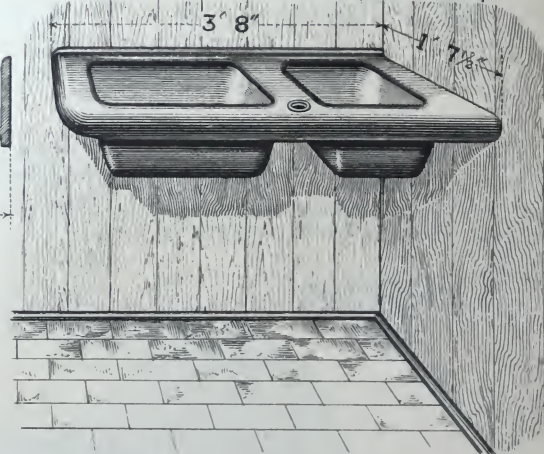
Right Hand

Can also be had Left Hand
MANGER (Opening), $22'' \times 12\frac{1}{2}'' \times 9''$ deep,
can also be had 15" deep,
and the 9" deep, to LIFT OUT, to Order.

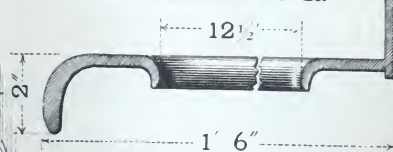


Nº 144.

Right Hand can also be had Left Hand.
MANGER (Opening), $19'' \times 12\frac{1}{2}'' \times 9''$ deep.

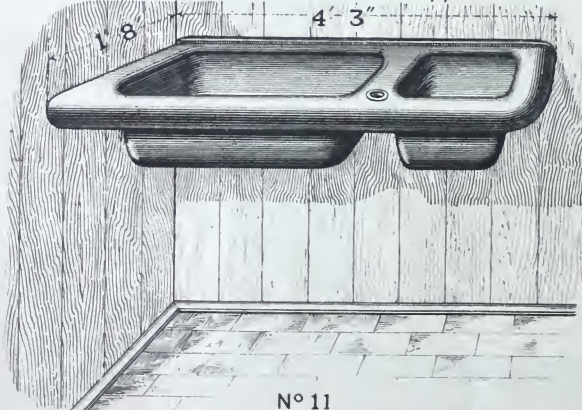


Section of
Nº 9 MANGER COVER



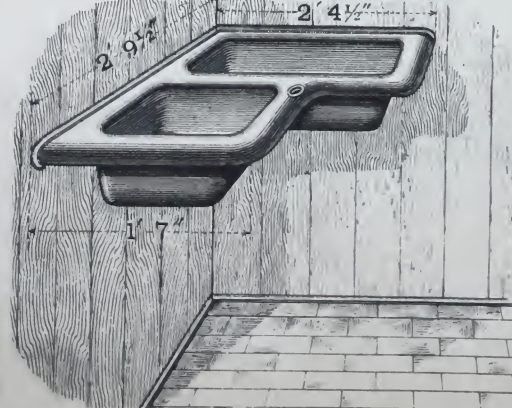
Nº 143

Left Hand Can also be had Right Hand
MANGER (Opening) $26'' \times 12\frac{1}{2}'' \times 9''$ deep.
Can also be had 13" or 18" deep, to Order

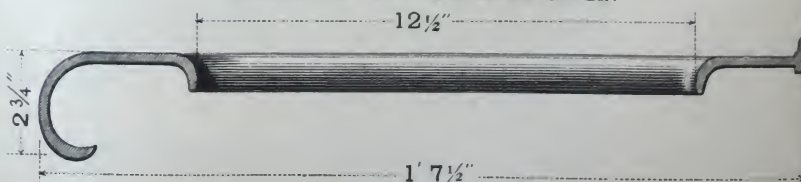


Nº 11

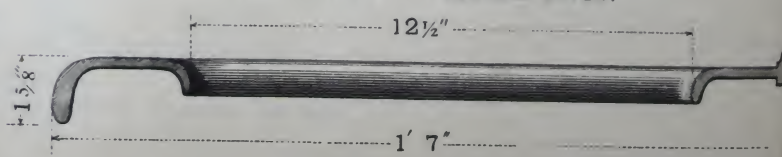
Left Hand can also be had Right Hand
MANGER (Opening), $23'' \times 12\frac{1}{2}'' \times 9''$ deep,
can also be had 15" deep
and the 9" deep, to LIFT OUT to Order.



Section of Nº 144 MANGER COVER.



Section of Nº 11 MANGER COVER.



WOOD FOR DIVISIONS. AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.

IMPROVED STABLE FITTINGS. STALL AND LOOSE BOX MANGER SETS

2189

WATER POTS can be had ROUND instead of SQUARE, or vice versa. and be made FIXED, to LIFT OUT or TIP-UP, to Order

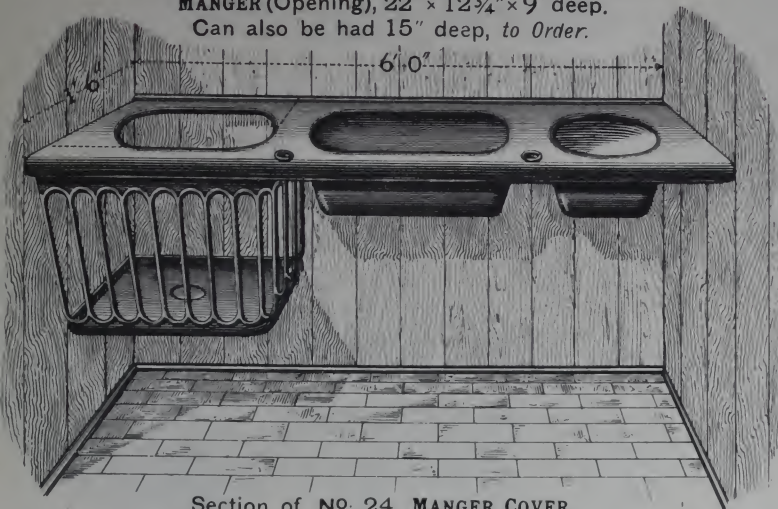
N^o 24 (FASTENING SHOES, Charged Extra.)

HAY RACK. (Right or Left Hand)

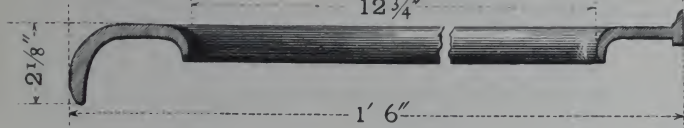
HAY RACK, can also be had with larger opening, as indicated by dotted lines, to Order.

MANGER (Opening), 22" x 12 3/4" x 9" deep.

Can also be had 15" deep, to Order.



Section of N^o 24 MANGER COVER
12 3/4"



N^o 145

With Wrought Iron HAY RACK

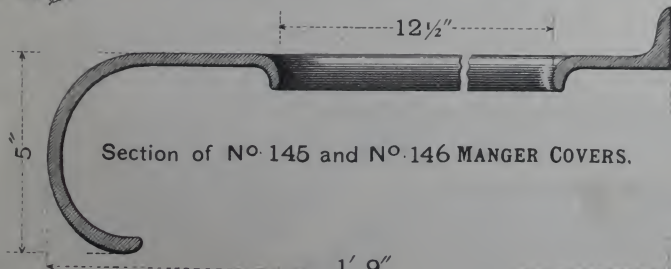
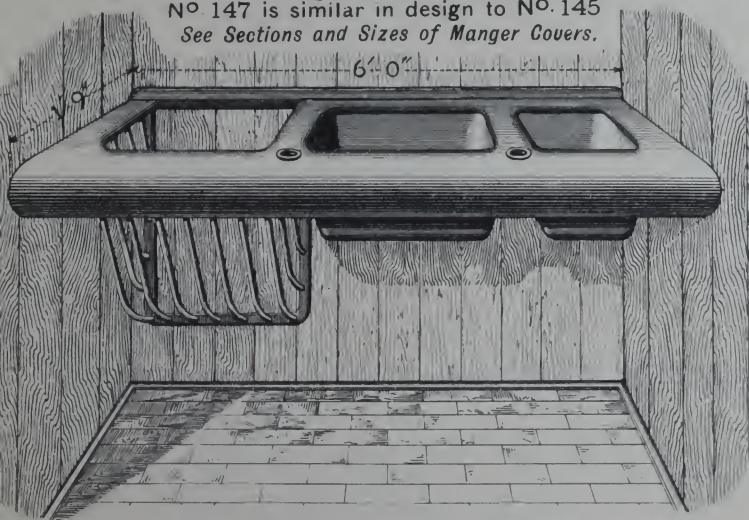
MANGER (Opening), 22" x 12 1/2" x 9" deep

Can also be had 15" deep, and the 9" deep to LIFT OUT, to Order

Large Safety Front

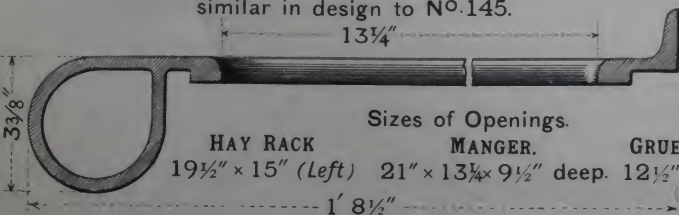
N^o 147 is similar in design to N^o 145

See Sections and Sizes of Manger Covers.



Section of N^o 145 and N^o 146 MANGER COVERS.

Section of N^o 147 MANGER COVER.
similar in design to N^o 145.



Sizes of Openings.

HAY RACK 19 1/2" x 15" (Left) MANGER. 21" x 13 1/4" x 9 1/2" deep. GRUEL POT. 12 1/2" x 13 1/2"

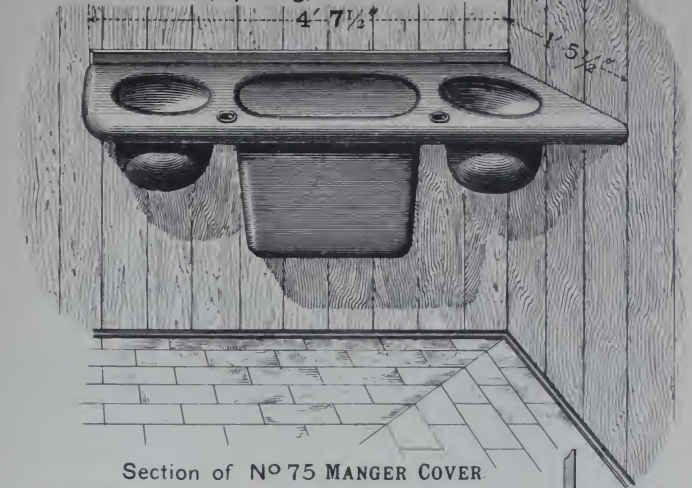
1' 8 1/2"

N^o 75

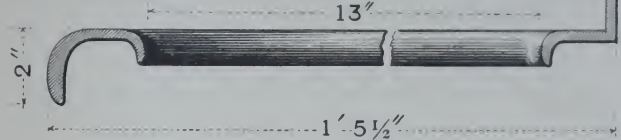
Right Hand

Can also be had Left Hand

MANGER (Opening) 21" x 13" x 15" deep



Section of N^o 75 MANGER COVER
13"

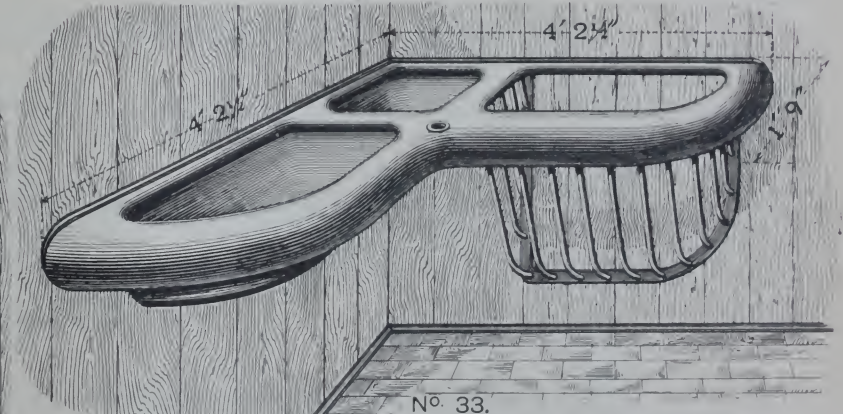


N^o 146

Left Hand Can also be had Right Hand

With Wrought Iron HAY RACK. MANGER 9" deep.

Large Safety Front.

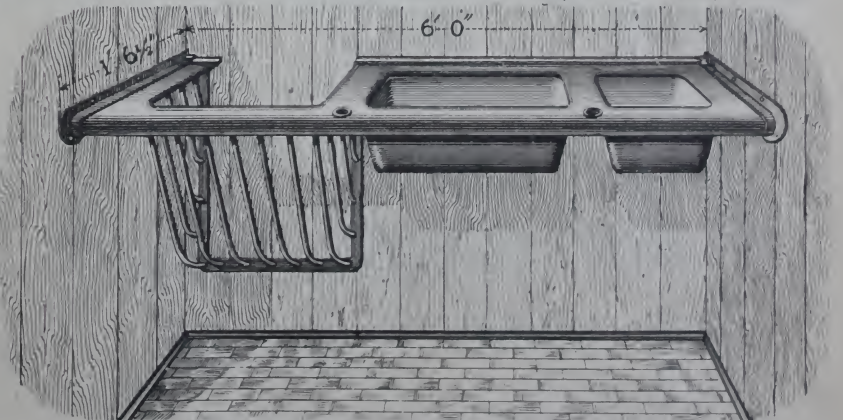


N^o 33.

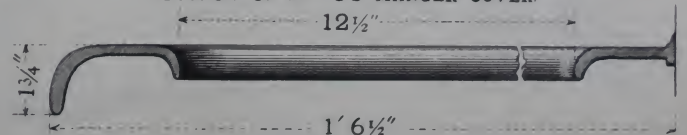
With Wrought Iron HAY RACK (Right or Left Hand).

MANGER (Opening), 23" x 12 1/2" x 9" deep.

Can also be had 15" deep, and the 9" deep to LIFT OUT, to Order.



Section of N^o 33 MANGER COVER.



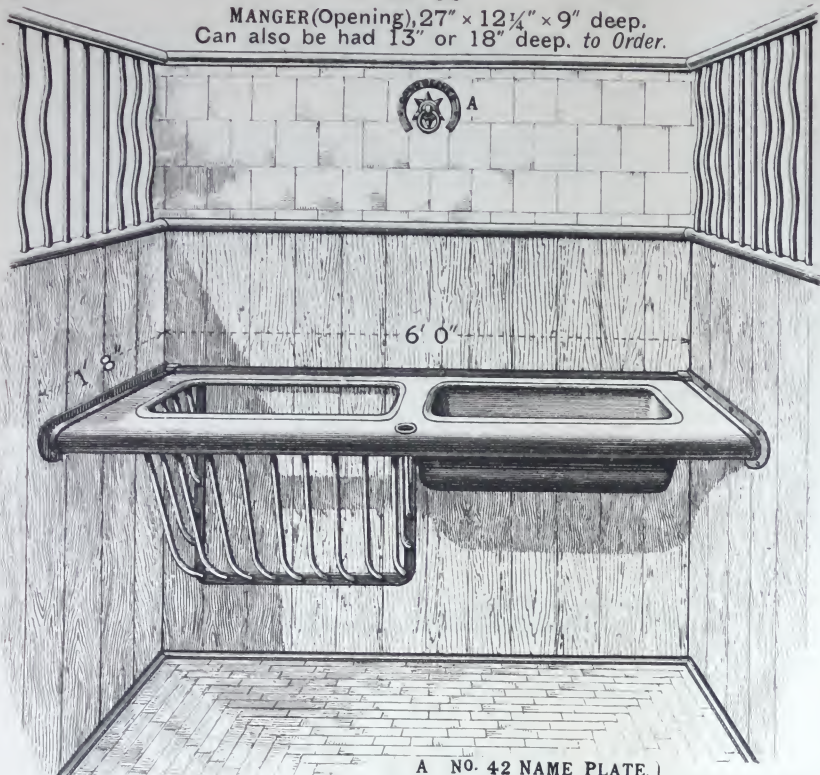
WOOD FOR DIVISIONS, AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.

IMPROVED STABLE FITTINGS. STALL AND LOOSE BOX MANGER SETS to Match.

with wrought iron HAY RACK (Right or Left Hand) FASTENING SHOES, Charged Extra.
WATER POTS can be had ROUND instead of SQUARE, or vice versa, and be made FIXED, to LIFT OUT or TIP-UP, to Order,

No 35

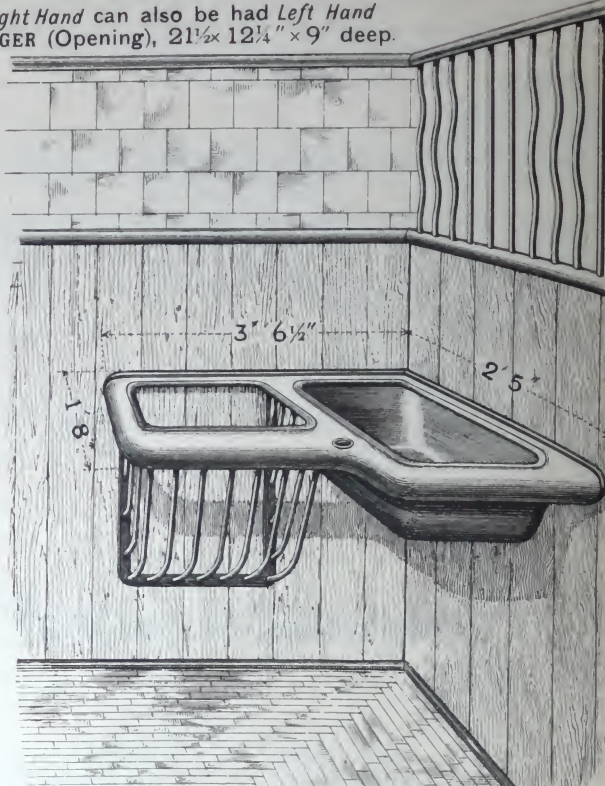
MANGER (Opening), 27" x 12 1/4" x 9" deep.
Can also be had 13" or 18" deep, to Order.



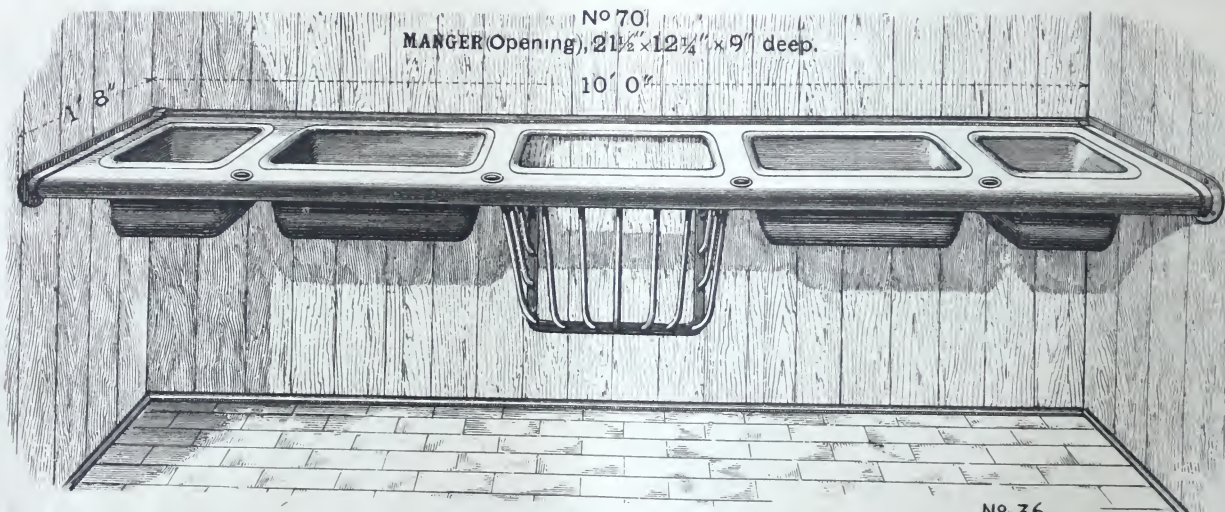
A NO. 42 NAME PLATE, with RING. } Charged Extra

No. 73

Right Hand can also be had Left Hand
MANGER (Opening), 21 1/2 x 12 1/4" x 9" deep.

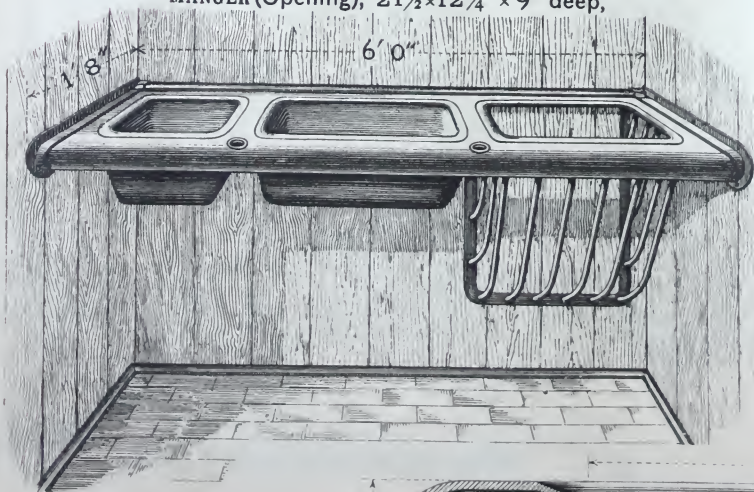


No 70
MANGER (Opening), 21 1/2 x 12 1/4" x 9" deep.



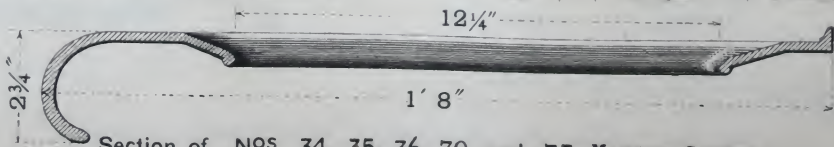
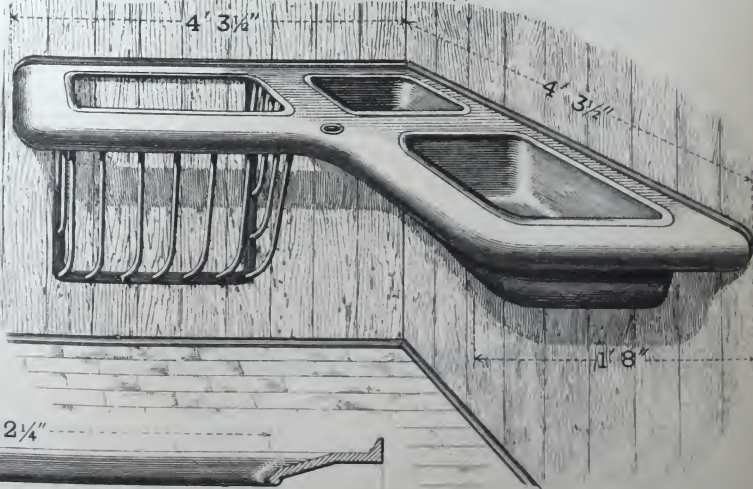
No. 34.

MANGER (Opening), 21 1/2 x 12 1/4" x 9" deep,



No 36

Right Hand. Can also be had Left Hand
MANGER (Opening), 23" x 12 1/4" x 9" deep.
Can also be had 15" deep, to Order.



Section of Nos. 34, 35, 36, 70 and 73 MANGER COVERS
WOOD FOR DIVISIONS, TILES, AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.

IMPROVED STABLE FITTINGS.

2191

STALL AND LOOSE BOX MANGER SETS to Match.

With Wrought Iron HAY RACK. (Right or Left Hand.) MANGER. (Opening), $21\frac{1}{2}'' \times 12\frac{1}{2}'' \times 9''$ deep.

WATER POTS can be had ROUND instead of SQUARE, or vice versa, and be made FIXED to LIFT OUT or TIP-UP, to Order. FASTENING SHOES, Charged Extra.

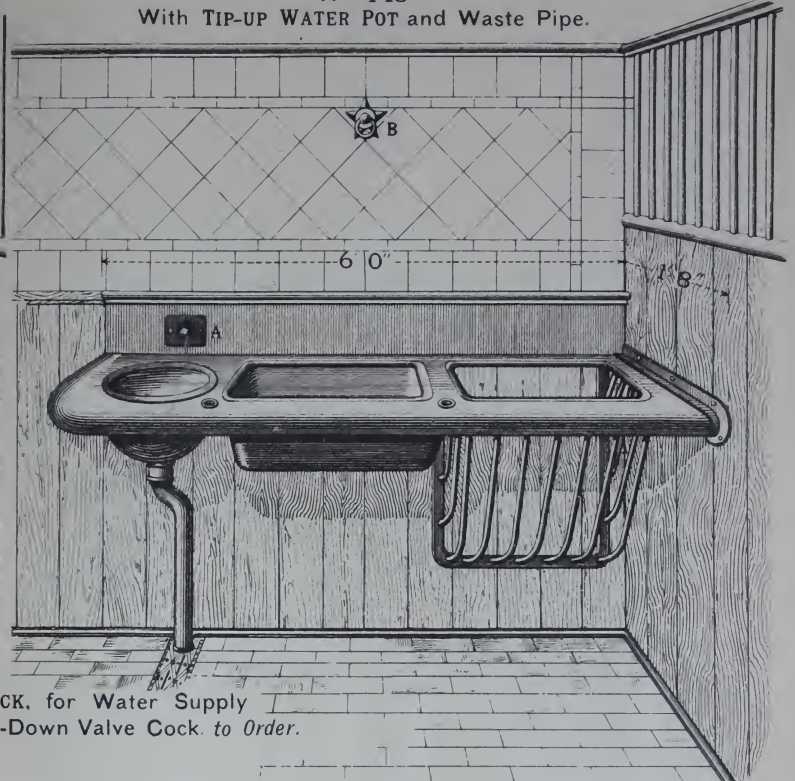
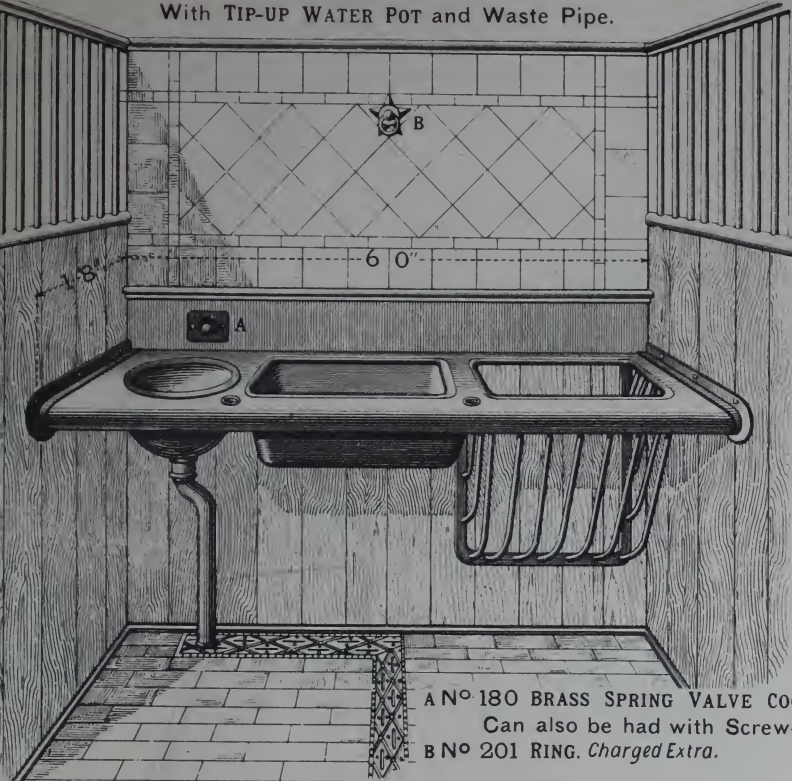
N^o 37 and N^o 148 can also be had without Skirting as N^o 71 and N^o 72, to Order.

N^o 37

With TIP-UP WATER POT and Waste Pipe.

N^o 148

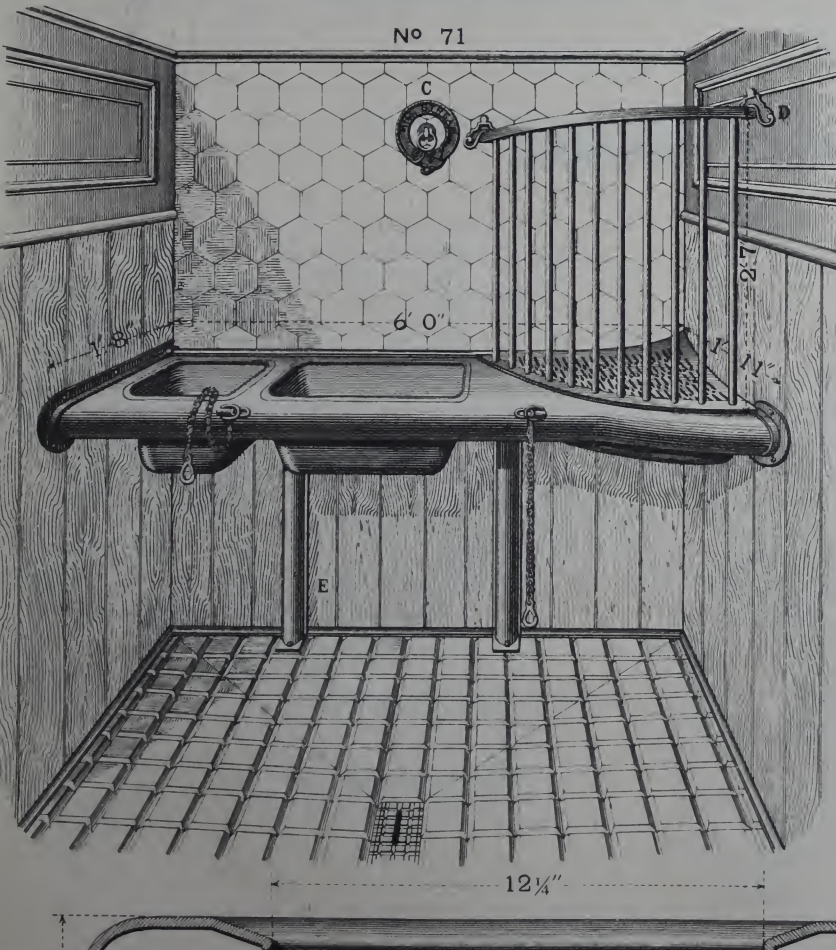
With TIP-UP WATER POT and Waste Pipe.



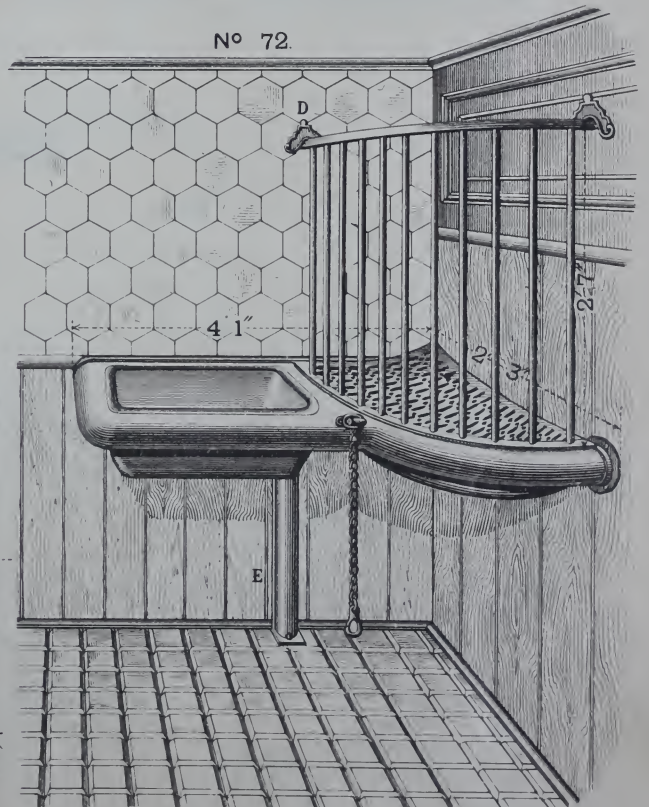
A N^o 180 BRASS SPRING VALVE COCK, for Water Supply
Can also be had with Screw-Down Valve Cock. to Order.
B N^o 201 RING. Charged Extra.

N^{os} 71 and 72 with RAISED HAY RACK, SEED PAN and GRATING,

N^o 71



N^o 72.



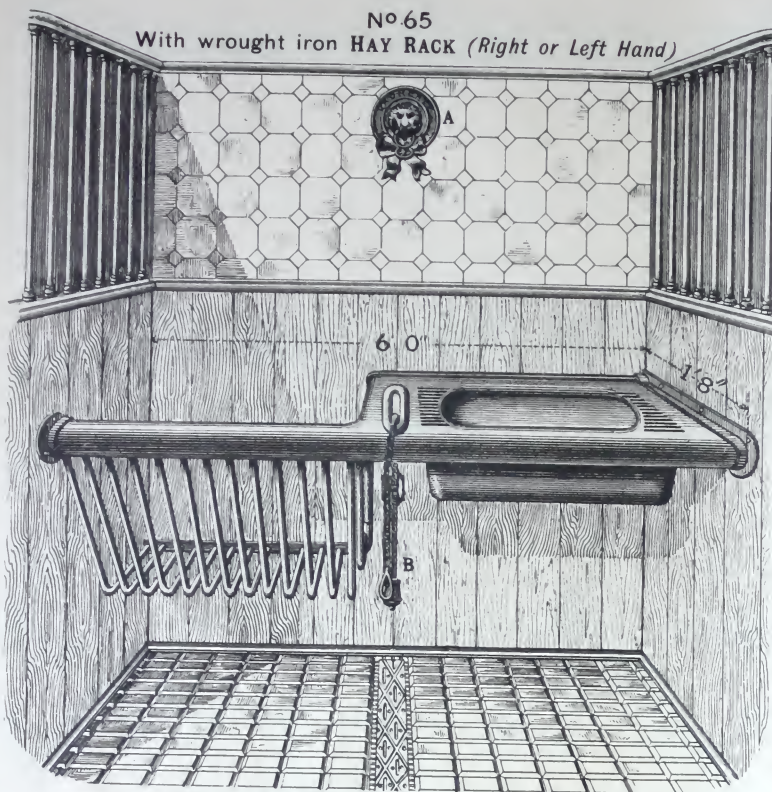
C N^o 37 NAME PLATE, with N^o 214 Ring.
D N^o 234 ORNAMENT for Raised Hay Rack. } Charged Extra.
E N^o 301 TYING APPARATUS

Section of N^{os} 37, 71, 72 and 148 MANGER COVERS
Can be had with or without Skirting TO ORDER.

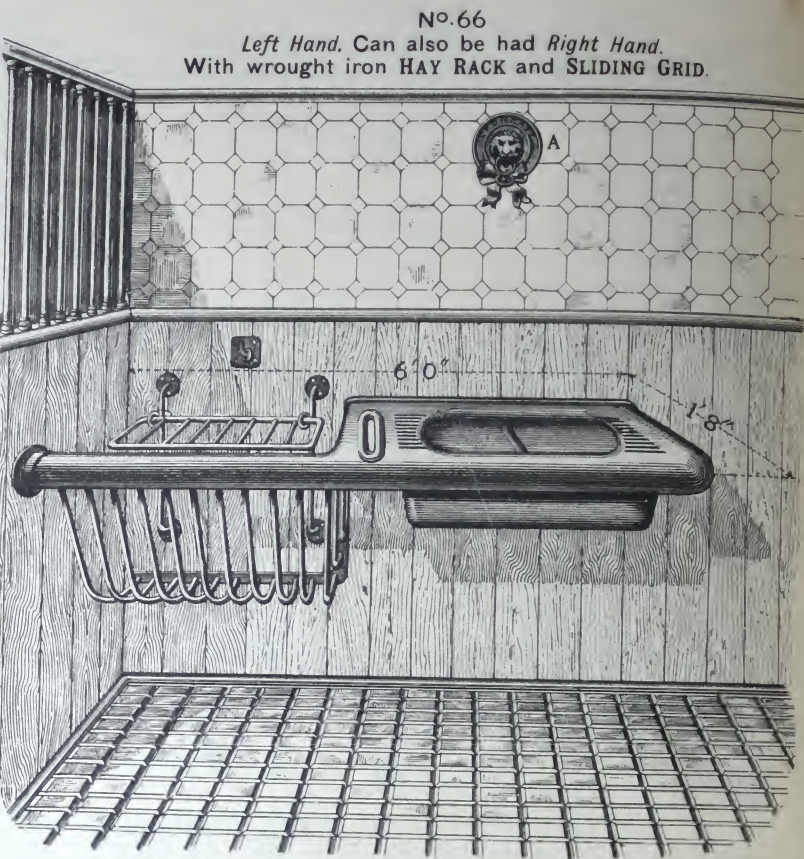
WOOD FOR DIVISIONS, TILES, AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.

IMPROVED STABLE FITTINGS. STALL AND LOOSE BOX MANGER SETS

FASTENING SHOES, SLIDING GRID, also ROLLER in centre of MANGER, *Charged Extra.*
No. 65 and No. 66 has extra large MANGER TROUGH.
(Opening), 24" x 11 1/4" x 9" deep, with Food Guards at Ends

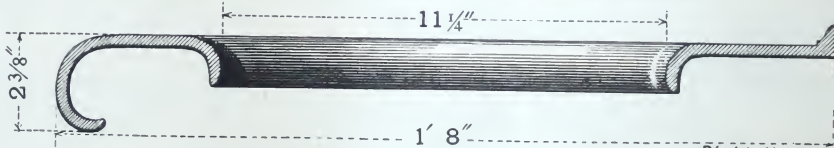


A No. 40 NAME PLATE.
B No. 297 TYING APPARATUS. *Charged Extra.*

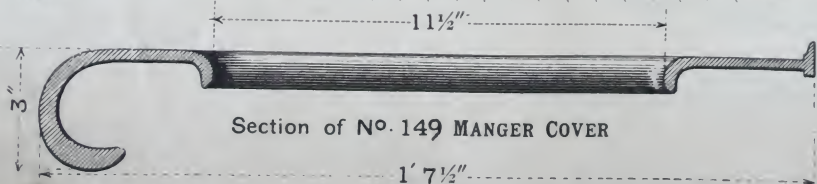
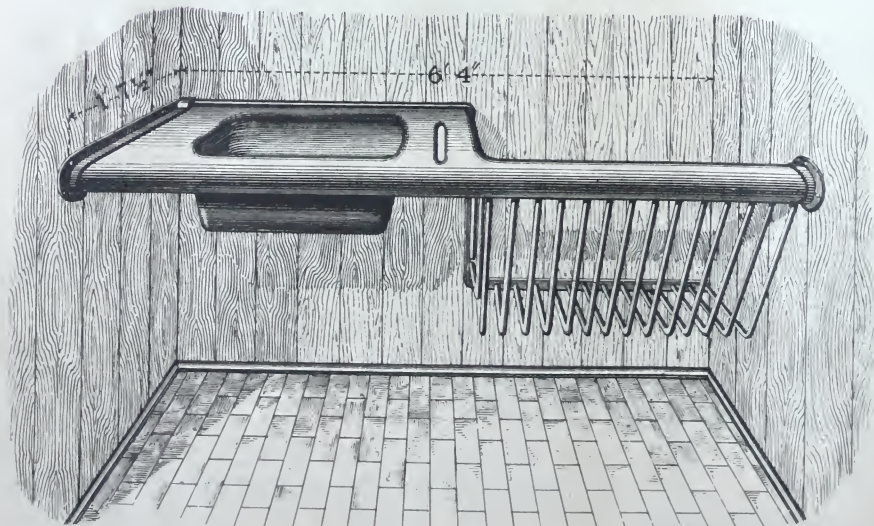


No. 66
Left Hand. Can also be had Right Hand.
With wrought iron HAY RACK and SLIDING GRID.

Section of No. 65 and No. 66 MANGER COVERS.

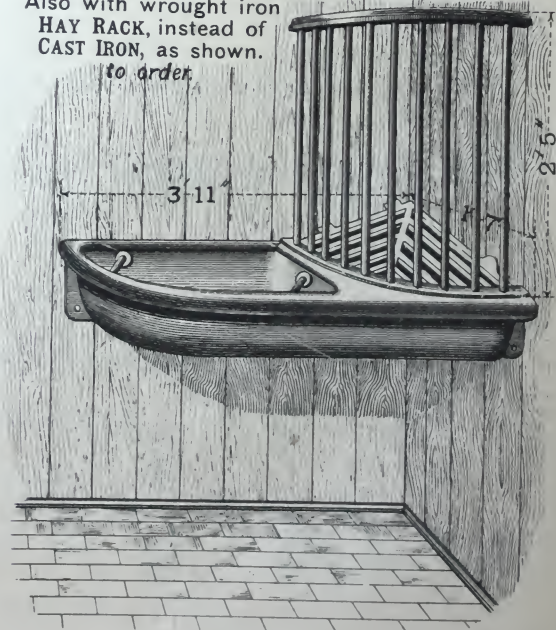


No. 149
with wrought iron HAY RACK,
MANGER. (Opening), 22" x 11 1/2" x 9" deep,



Section of No. 149 MANGER COVER

No. 22
Right Hand. Can also be had Left Hand
MANGER, 9 1/2" deep, with FOOD GUARDS.
Also with wrought iron
HAY RACK, instead of
CAST IRON, as shown.
to order.



Section through front of No. 22 MANGER.

WOOD FOR DIVISIONS, TILES, AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.

IMPROVED STABLE FITTINGS.

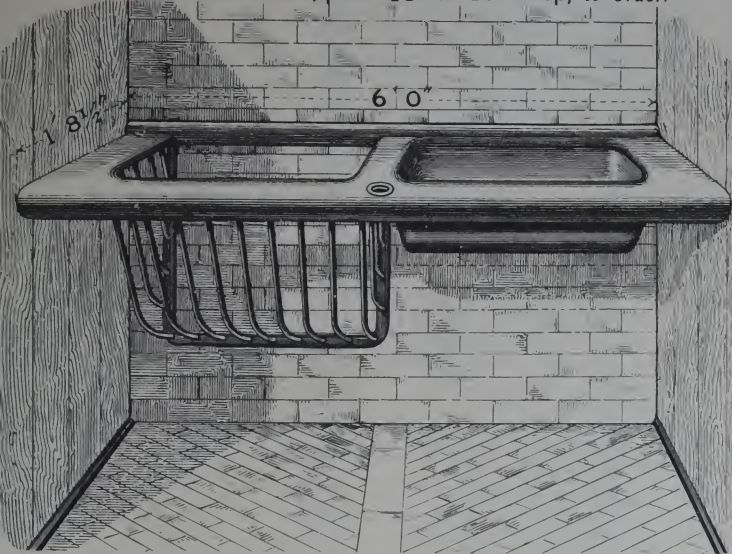
2195

STALL MANGER SETS with Wrought Iron HAY RACK.

Nº 67

Right or Left Hand

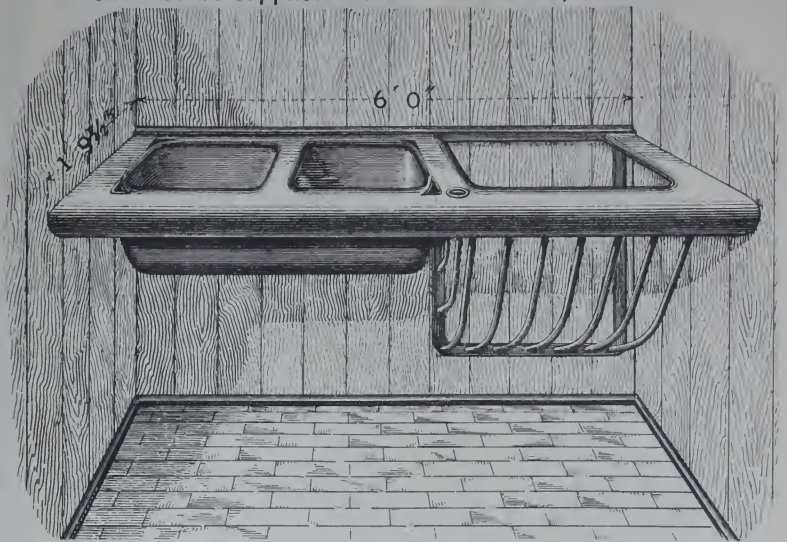
MANGER (Opening), 27" x 12¼" x 9" deep.
Can also be supplied 13" or 18" deep, to Order.



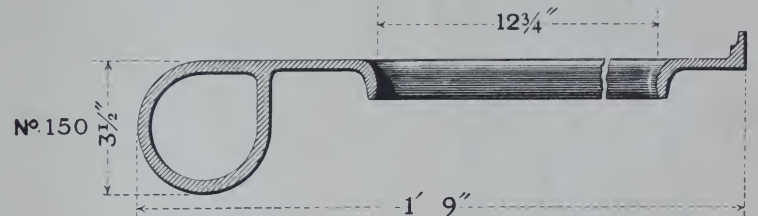
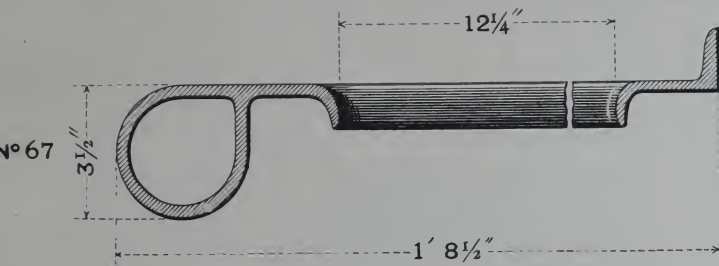
Nº 150

Right or Left Hand

MANGER (Opening), 34" x 12¾" x 9¾" deep.
Can also be supplied without Food Guard, as shown.



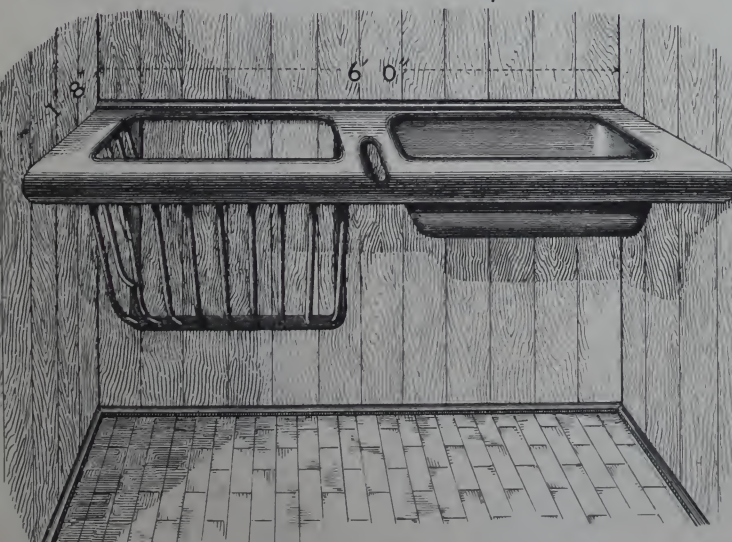
Sections of MANGER COVERS



Nº 151

MANGER (Opening), 23" x 12½" x 9" deep.

Can also be had 15" deep, and the 9" deep to LIFT OUT, to Order.

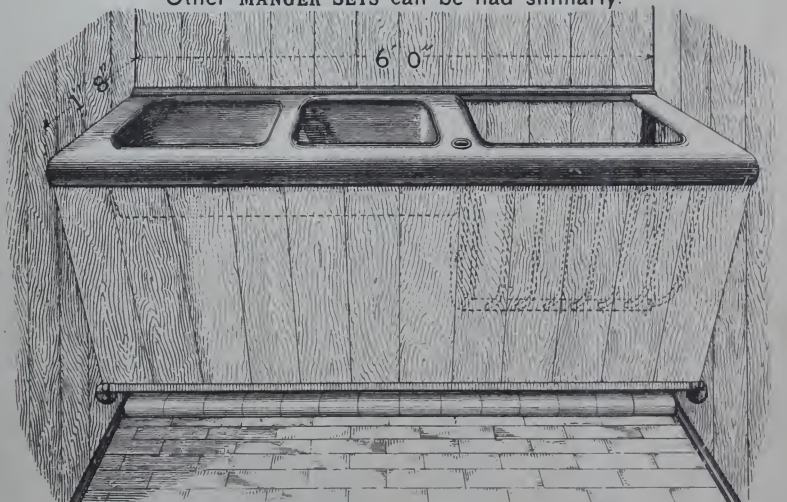


Nº 152

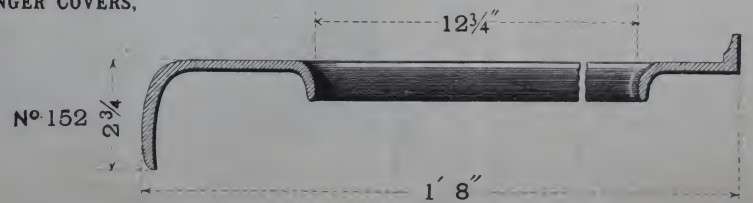
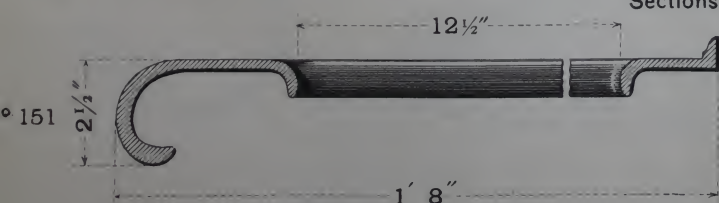
Right or Left Hand

MANGER (Opening), 36" x 12¾" x 9¾" deep.

Can also be supplied without Food Guard, as shown.
Prepared for Wood Lining below Manger, *Charged Extra*.
Other MANGER SETS can be had similarly.



Sections of MANGER COVERS,



WOOD FOR DIVISIONS, AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.

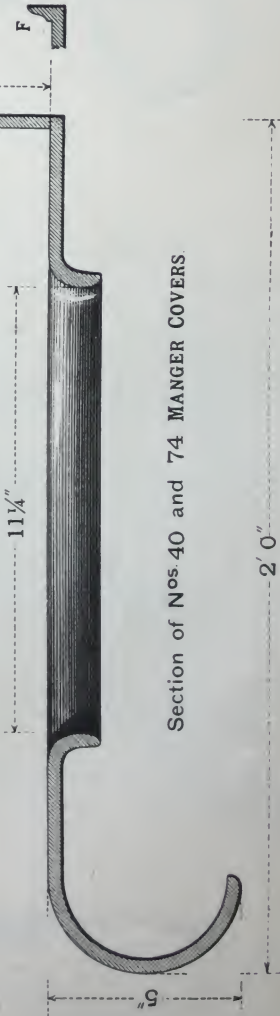
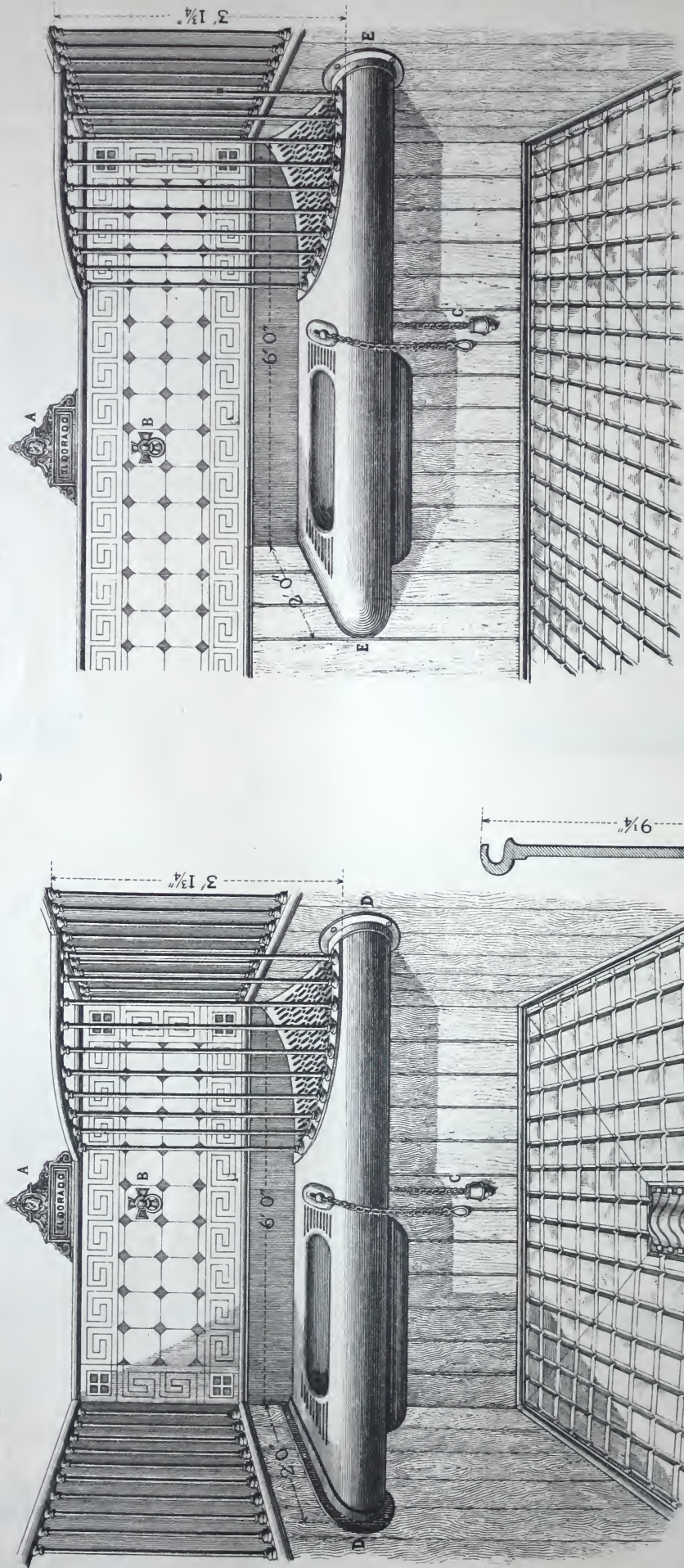
IMPROVED STABLE FITTINGS.

STALL AND LOOSE BOX MANGER SETS to Match.

Consisting of Wrought Iron RAISED HAY RACK, (Right or Left Hand,) with Seed Pan and Grating, extra large MANGER TROUGH (opening), $24\frac{1}{4} \times 11\frac{1}{4} \times 9$ " deep, with Food Guards at ends, and large Safety Front, Skirting Prepared for Tiles; can also be had without Skirting to Order.
FASTENING SHOES, Charged Extra.

HAY RACK.

Can also be had less in height than Divisions to Order.



Moulding at F is cast one inch from back of Cover when ordered for Tiles, without Skirting

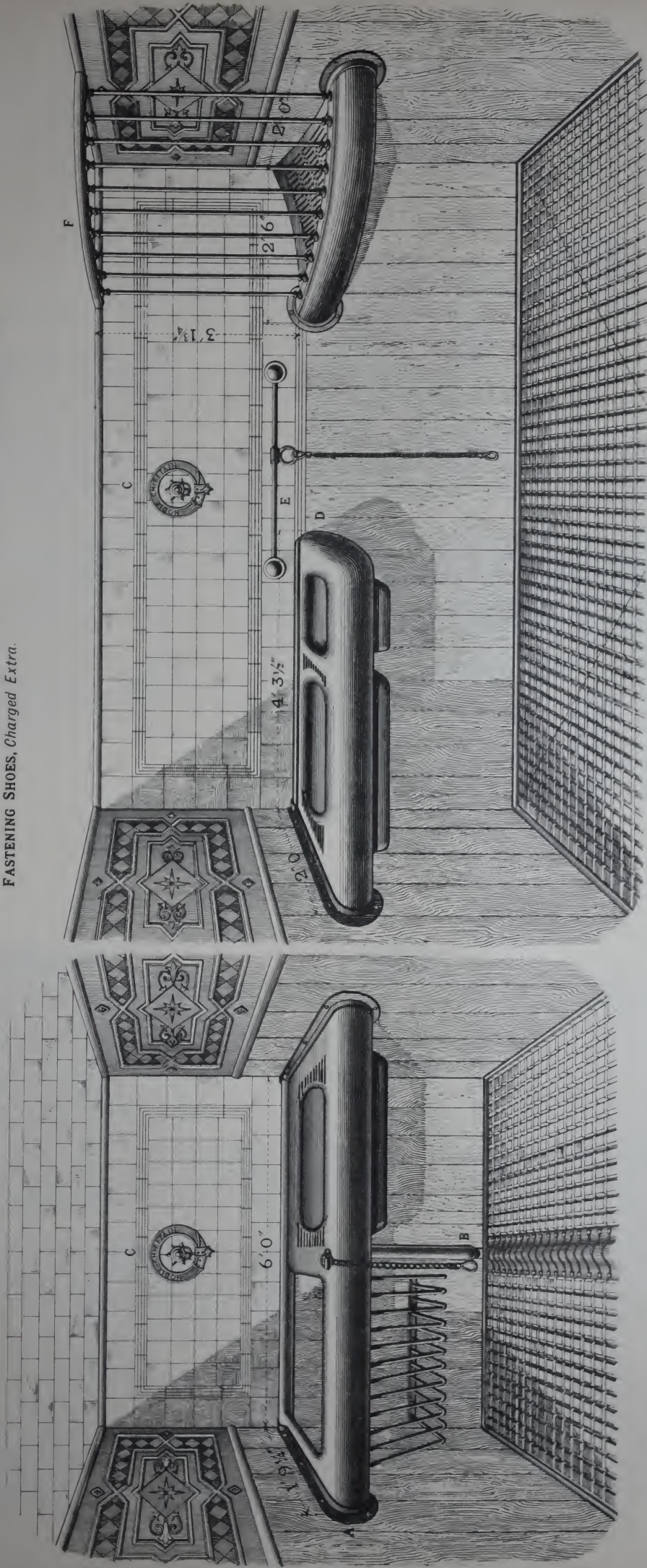
Other MANGER SETS can be had similarly

- A No 36 NAME PLATE.
- B No 213 MANGER RING.
- C No 297 TYING APPARATUS.
- D No 74 STALL MANGER SET.
- E No 40 LOOSE BOX MANGER SET.

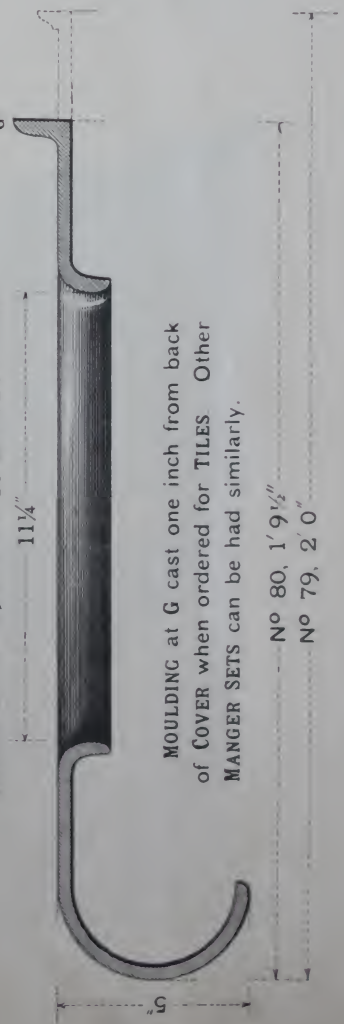
WOOD FOR DIVISIONS, TILES, AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.

IMPROVED STABLE FITTINGS. STALL AND LOOSE BOX MANGER SETS to Match.

N^o 79 and N^o 80 have EXTRA LARGE MANGER TROUGH (opening), 24 1/4" x 11 1/4" x 9" deep, with FOOD GUARDS at ends FASTENING SHOES, Charged Extra.



Section of N^o 79 and N^o 80 MANGER COVERS.



MOULDING at G cast one inch from back of COVER when ordered for TILES. Other MANGER SETS can be had similarly.

N^o 80, 1'9 1/2"
N^o 79, 2'0"

- A N^o. 80 STALL MANGER SET, with wrought iron Hay Rack (Right or Left Hand).
- B N^o 300TYING APPARATUS
- C N^o. 51 NAME PLATE, with N^o 205 STAR and RING.
- D N^o. 79 LOOSE BOX MANGER SET (Right or Left Hand). Water Pot can be had Round instead of Square, or vice versa, and be made Fixed, to Lift Out or Tip-up, to Order.
- E N^o 295TYING APPARATUS.
- F N^o. 6 RAISED HAY RACK, with Seed Pan and Grating (Right or Left Hand)

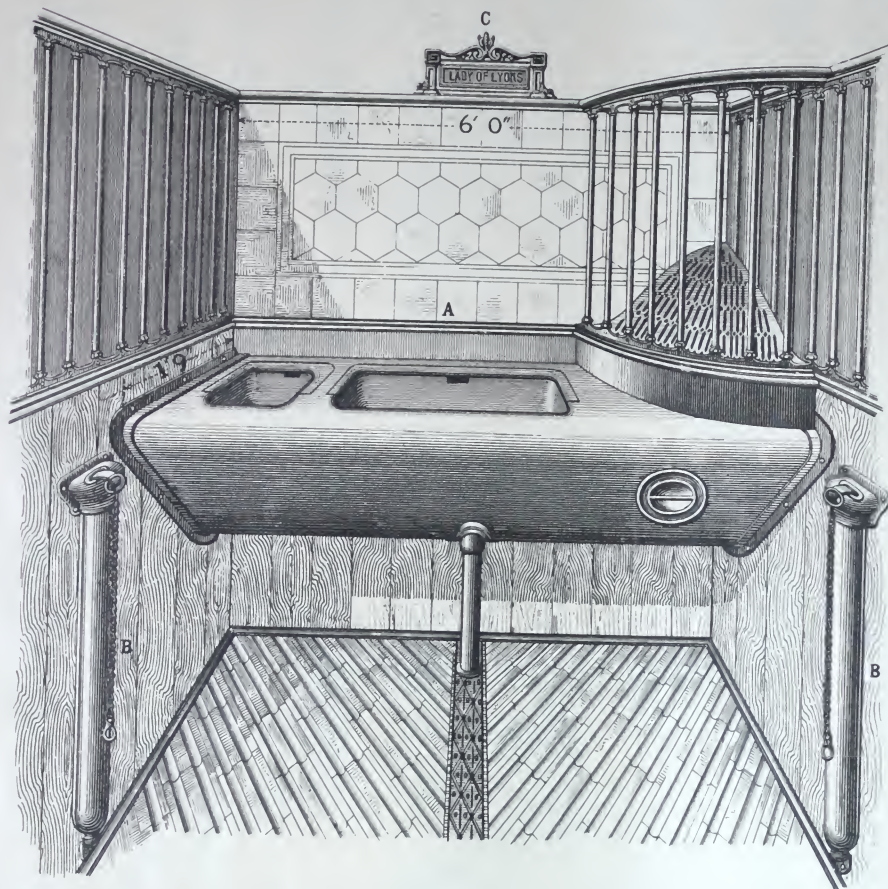
Can also be had less in height than Divisions to Order

WOOD FOR DIVISIONS, TILES, AND BRICK FLOORINGS CAN BE SUPPLIED TO ORDER.

IMPROVED STABLE FITTINGS.

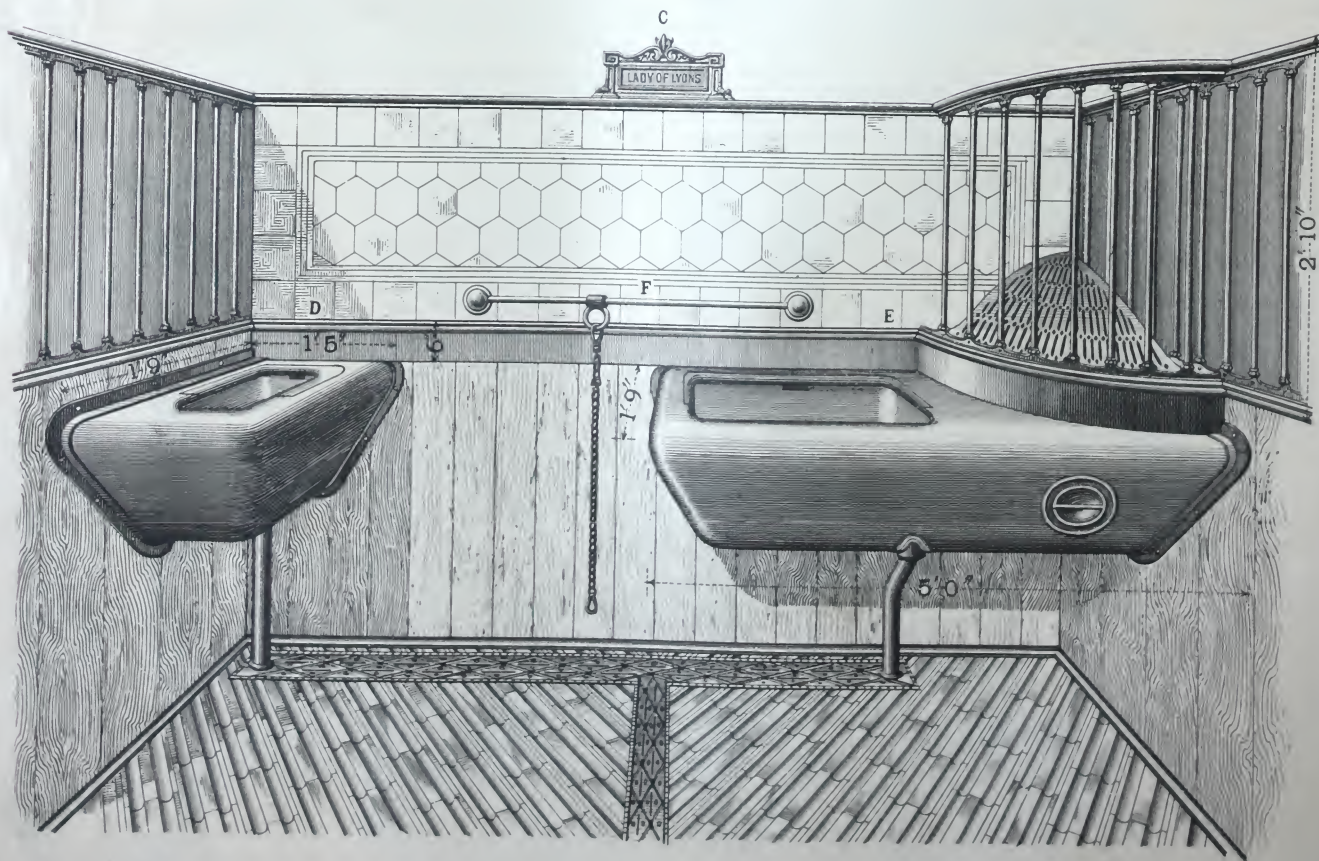
STALL AND LOOSE BOX MANGER SETS *to Match.*

Consisting of Wrought Iron RAISED HAY RACK. (Right or Left Hand) Seed Box and Grating, TIP-UP MANGERS (Opening) $27\frac{1}{2}'' \times 12\frac{1}{2}'' \times 9''$ deep. TIP-UP WATER POT (Opening) $12\frac{1}{2}'' \times 9\frac{3}{4}'' \times 9''$ deep, Large Curved Safety Front with Waste Pipe and Door into Seed Box and Fastening Shoes, Skirting Prepared for Tiles. Can also be had without Skirting *to Order.*



- A N^o 160 STALL MANGER SET,
 B N^o 298 TYING APPARATUS,
 C N^o 27 NAME PLATE,
 D N^o 161 CORNER WATER POT
 E N^o 162 LOOSE BOX MANGER SET,
 F N^o 295 TYING APPARATUS,

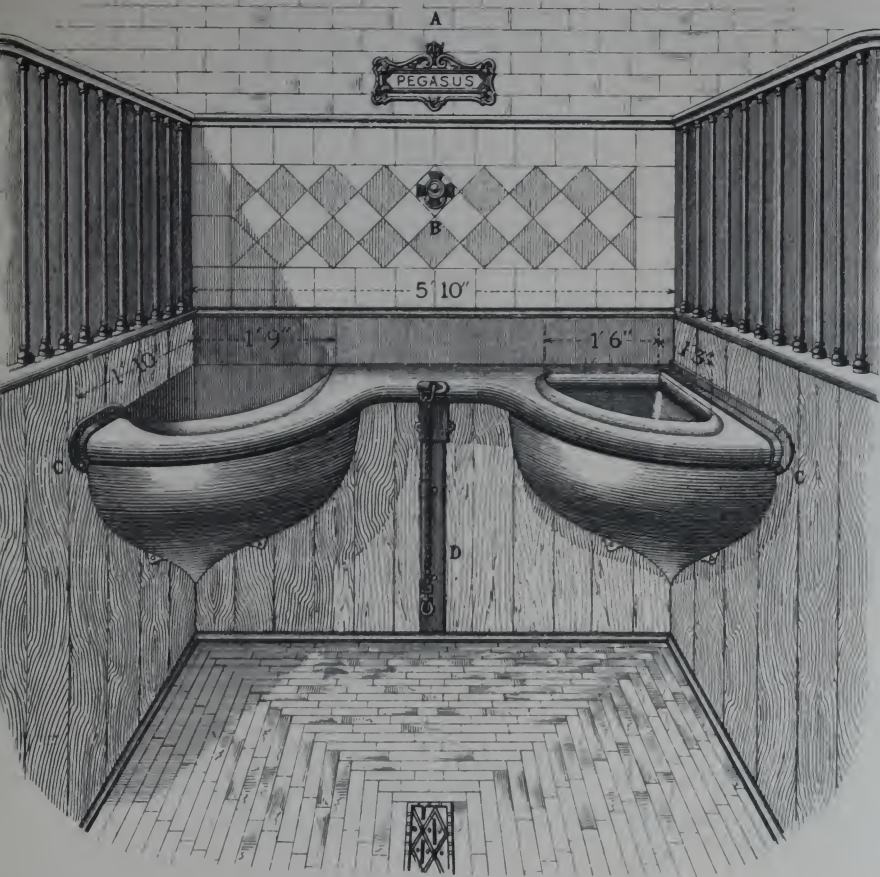
WOOD FOR DIVISIONS, TILES, AND BRICK FLOORINGS
 CAN BE SUPPLIED TO ORDER.



IMPROVED STABLE FITTINGS.

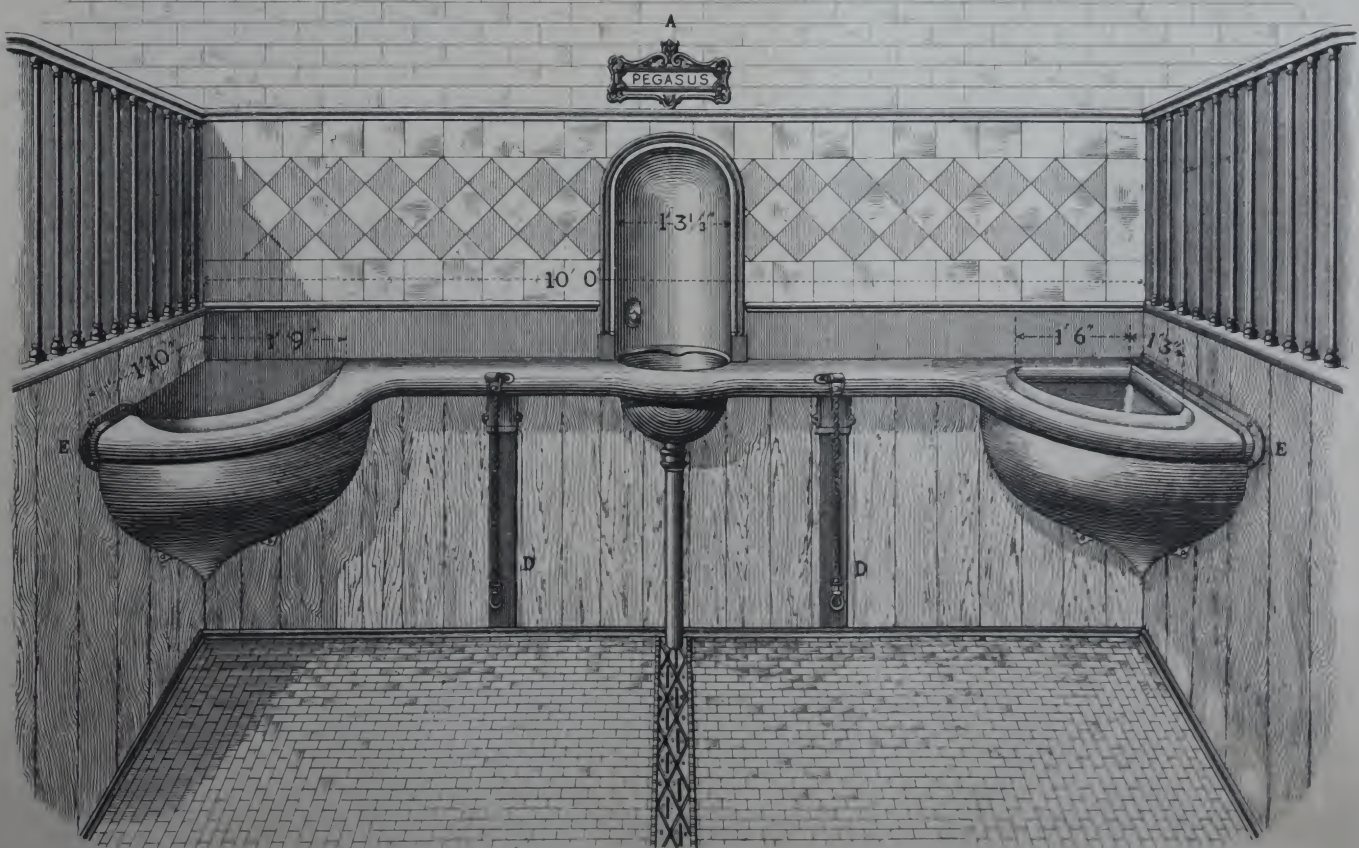
STALL AND LOOSE BOX MANGER SETS *to Match.*

With SAFETY FRONT and FASTENING SHOES,
SKIRTING Charged Extra.



- A N^o 35 NAME PLATE.
- B N^o 211 MALTESE CROSS and MANGER RING.
- C N^o 153 STALL MANGER SET, consisting of HAY RACK (*Left Hand*) and MANGER TROUGH.
- D N^o 305 TYING APPARATUS.
- E N^o 154 LOOSE BOX MANGER SET, consisting of HAY RACK (*Left Hand*), MANGER TROUGH, N^o 183 WALL NICHE, with N^o 180 Brass Spring Valve Cock, Tip-Up Water Pot, and Waste Pipe.

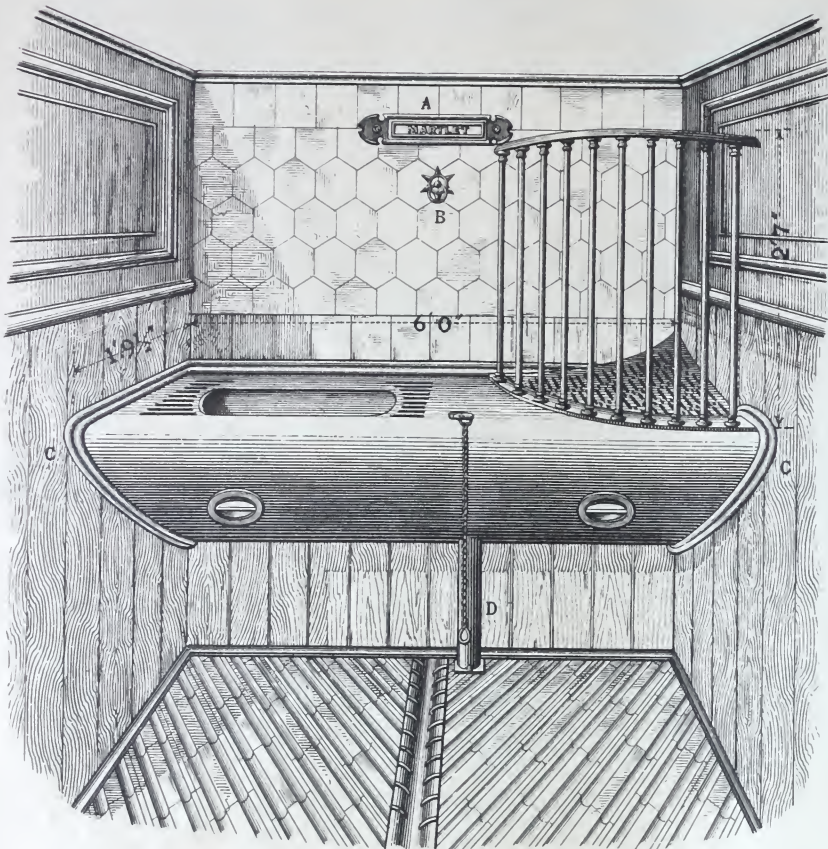
WOOD FOR DIVISIONS, TILES, AND BRICK FLOORINGS
CAN BE SUPPLIED TO ORDER.



IMPROVED STABLE FITTINGS.

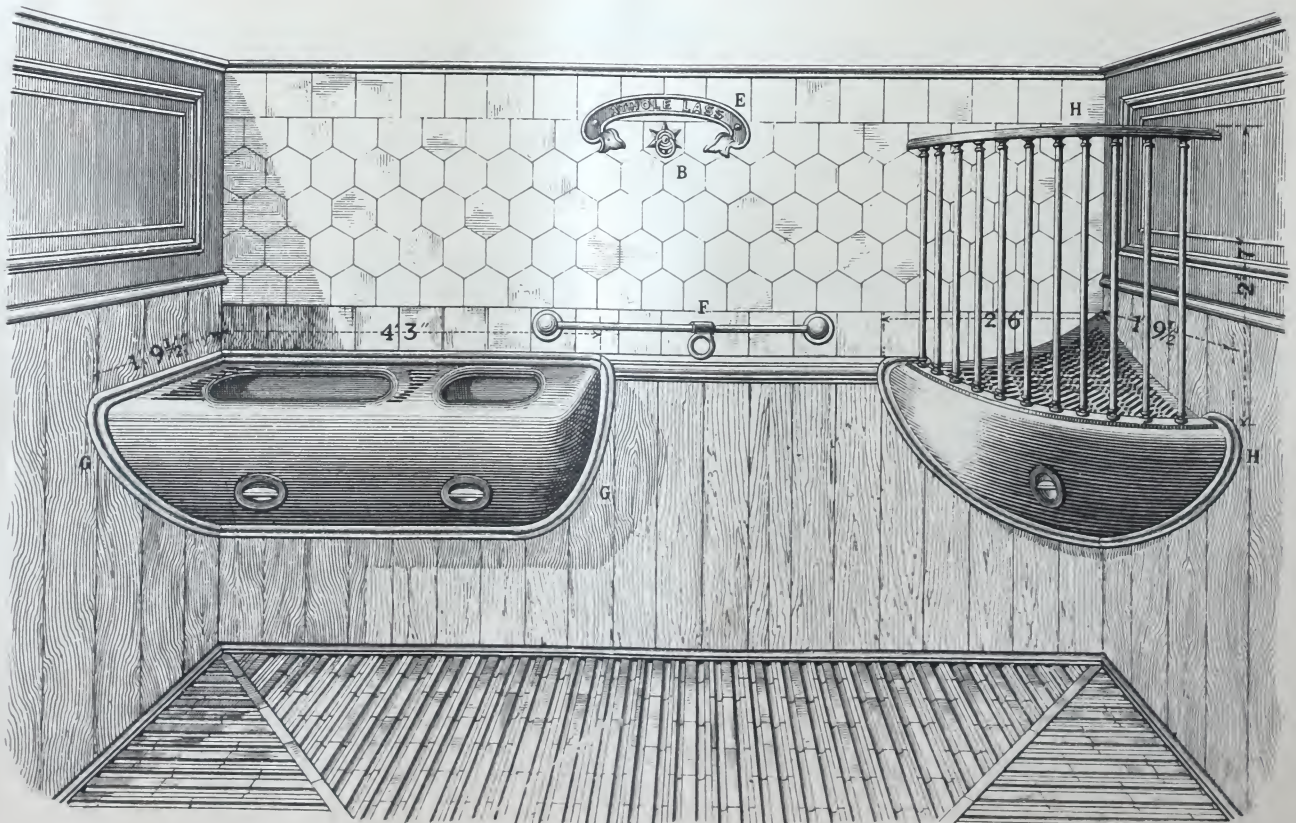
STALL AND LOOSE BOX MANGER SETS *to Match.*

Large Curved Wrought Iron Safety Fronts with Doors into Seed Box.&c., and Fastening Shoes,
 MANGER TROUGHS (opening), $24\frac{1}{4}'' \times 11\frac{1}{4}'' \times 9''$ deep,
 WATER POTS can be had ROUND instead of SQUARE or vice versa and be made FIXED, to LIFT OUT or TIP-UP, to Order.



- A N^o. 44 NAME PLATE.
- B N^o. 205 MANGER RING.
- C N^o. 155 STALL MANGER SET, consisting of Wrought Iron Raised Hay Rack (*Right or Left Hand*), Seed Box and Grating. Manger Trough with FOOD GUARDS at Ends.
- D N^o. 301 TYING APPARATUS.
- E N^o. 31 NAME PLATE.
- F N^o. 295 TYING APPARATUS.
- G N^o. 156 LOOSE BOX MANGER SET, (*Left Hand*). Can also be had *Right Hand*, consisting of Manger Trough and Water Pot.
- H N^o. 5 WROUGHT IRON RAISED HAY RACK, with Seed Box, Grating, large Curved Wrought Iron Safety Front, with Door and Buckles, as N^o 6 Rack.

WOOD FOR DIVISIONS, TILES, AND BRICK FLOORINGS
 CAN BE SUPPLIED TO ORDER.



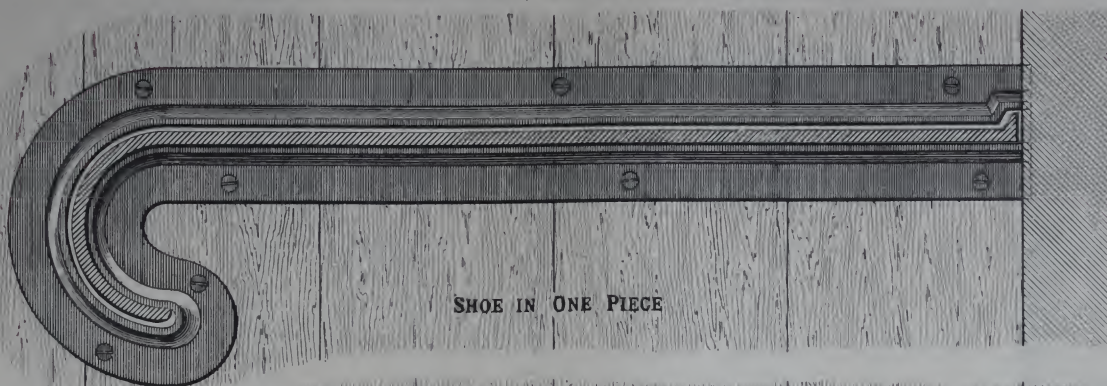
IMPROVED STABLE FITTINGS.

EXAMPLES SHOWING APPLICATION OF FASTENING SHOES OF MANGER COVERS TO SIDE OF STALL.

2205

SHOES can be had to suit all our COVERS. Supplied in ONE or TWO PIECES.

WHEN NOT OTHERWISE ORDERED, WILL BE SUPPLIED IN TWO PIECES.



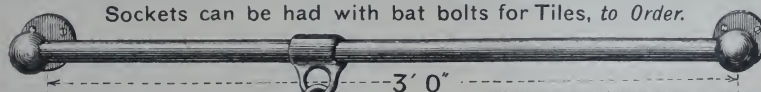
EXAMPLES SHOWING APPLICATION OF TYING APPARATUS TO MANGER SETS.

Nº 295

TYING APPARATUS.

Consisting of Nº 281 Chain, Polished Rod, with Sockets and Brass Slide.

Sockets can be had with bat bolts for Tiles, to Order.



Section through Nº 19 MANGER SET.

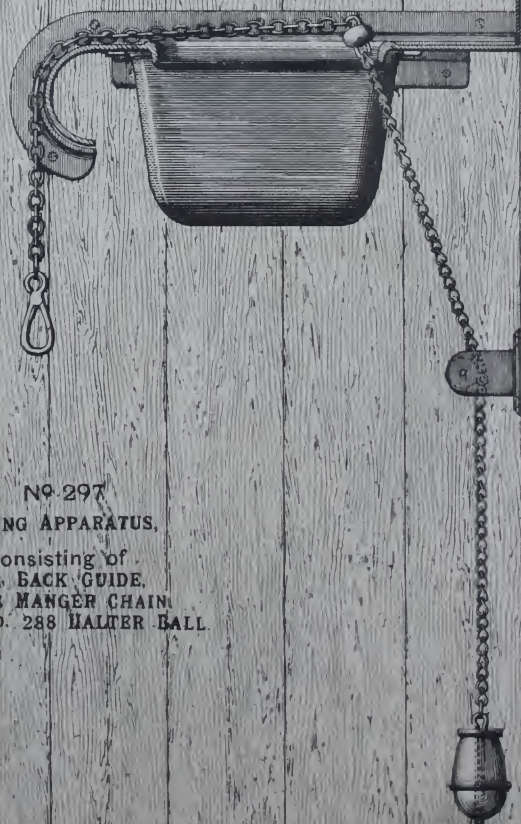


Nº 296

TYING APPARATUS.

Consisting of
Nº 231 MANGER ROLLERS
Nº 238 BACK GUIDE.
And Nº 285 HALTER BALL.

Section through Nº 74 MANGER SET.



Nº 297

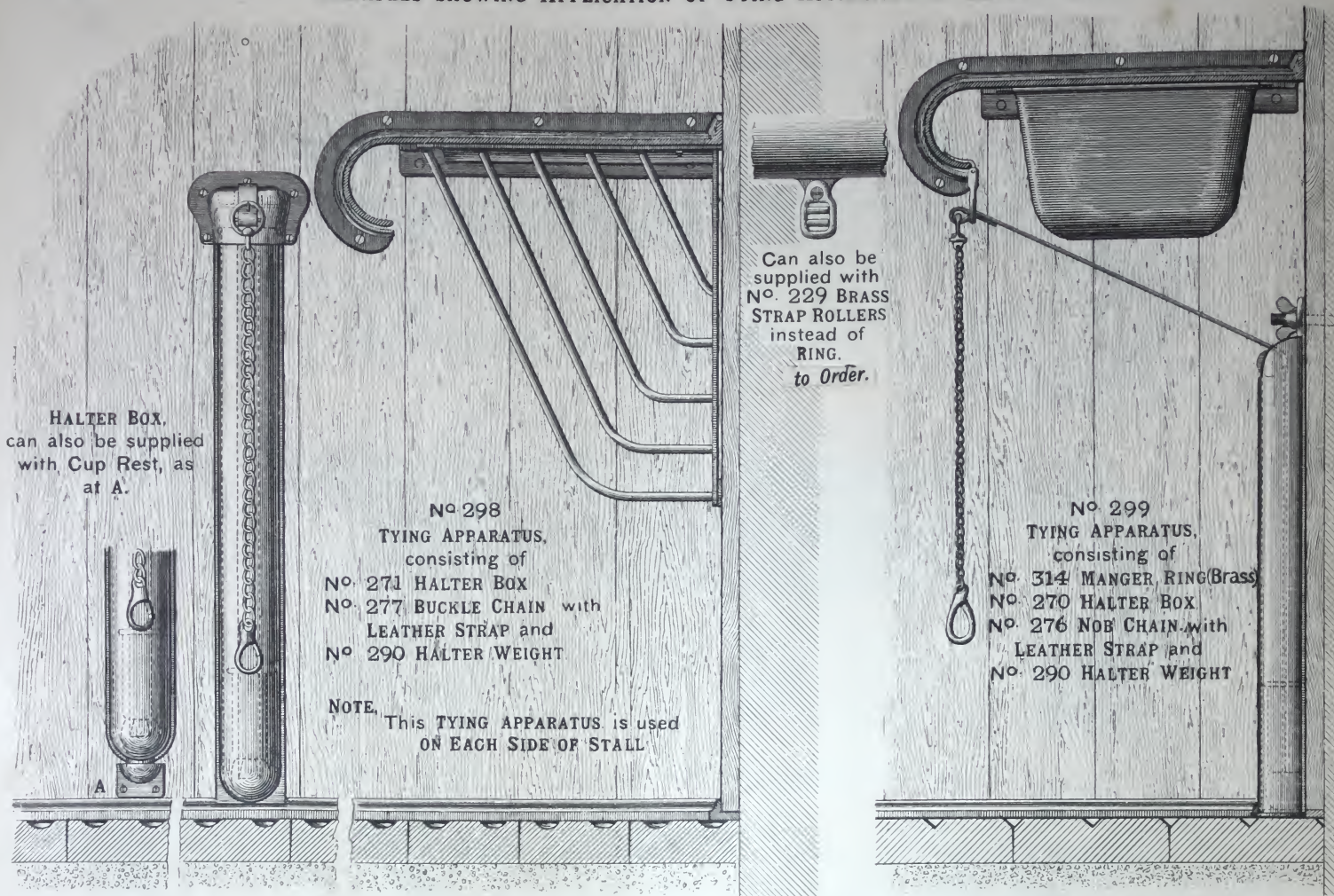
TYING APPARATUS.

consisting of
Nº 232 BACK GUIDE.
Nº 273 MANGER CHAIN.
And Nº 288 HALTER BALL.

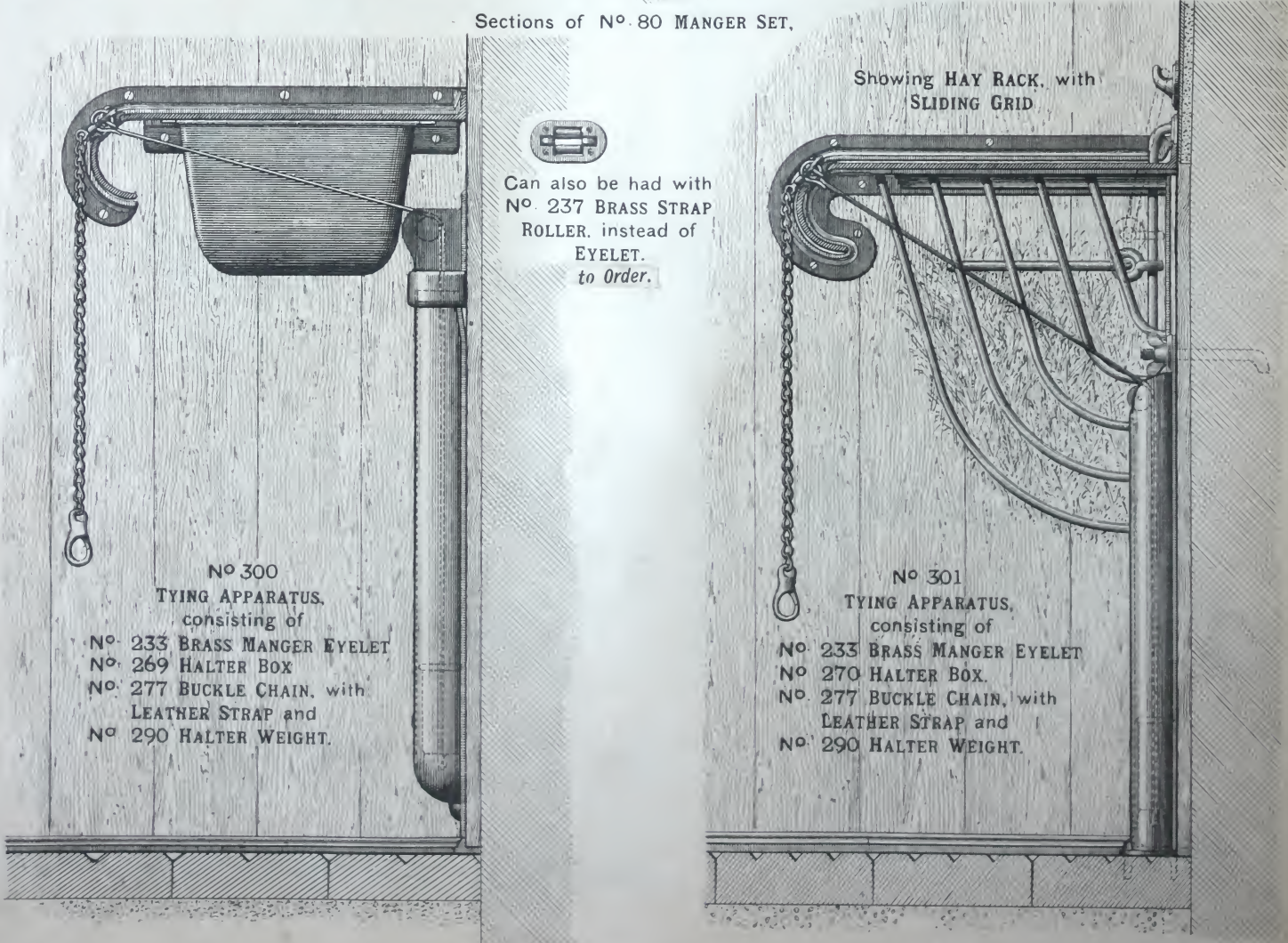
IMPROVED STABLE FITTINGS.

2206

EXAMPLES SHOWING APPLICATION OF TYING APPARATUS TO MANGER SETS.



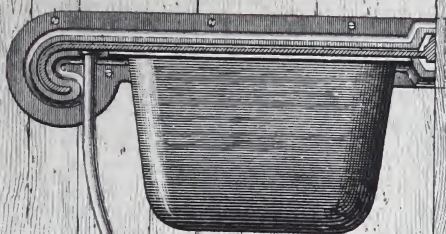
Sections of No 80 MANGER SET.



IMPROVED STABLE FITTINGS.

EXAMPLES SHOWING APPLICATION OF TYING APPARATUS TO MANGER SETS.

2207



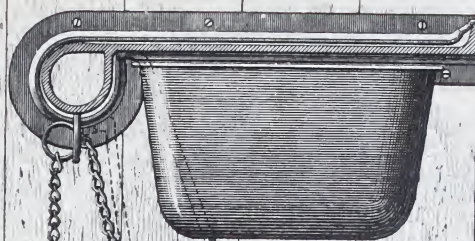
No 302

TYING APPARATUS,
consisting of

No 279 MANGER CHAIN,
with WROUGHT IRON QUADRANT,

ROD for CHAIN, can also be had
as indicated by dotted lines, to Order

Section through No 78 MANGER SET



No 303

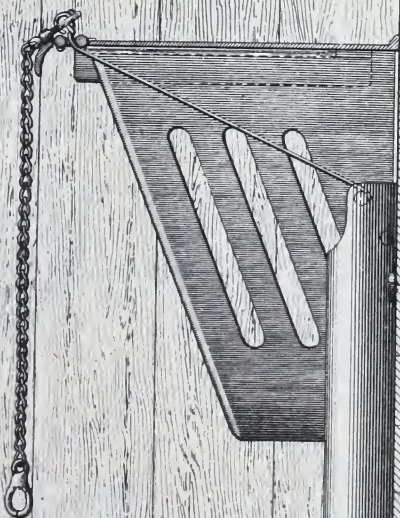
TYING APPARATUS,
consisting of

No 274 MANGER CHAIN,
with WROUGHT IRON
Rod. No 285

HALTER BALL
and WROUGHT IRON RING
in Cover.

ROD for CHAIN, can also be had
as indicated by dotted lines, to Order.

Section through No 101 MANGER SET.

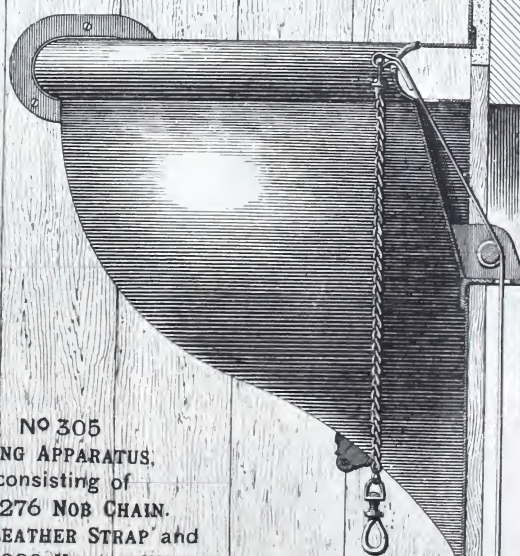


No 304

TYING APPARATUS,
consisting of

No 227 MANGER ROLLERS (Brass)
No 268 HALTER BOX,
No 277 BUCKLE CHAIN, with
LEATHER STRAP and
No 290 HALTER WEIGHT.

Section through No 20 MANGER SET.



No 305

TYING APPARATUS,
consisting of

No 276 NOB CHAIN,
with LEATHER STRAP and
No 290 HALTER WEIGHT.

Also Plate at Bottom and Guide Box at Top
to cover recess for HALTER WEIGHT,
and BRASS EYELET in Cover.

Section through No 153 MANGER SET

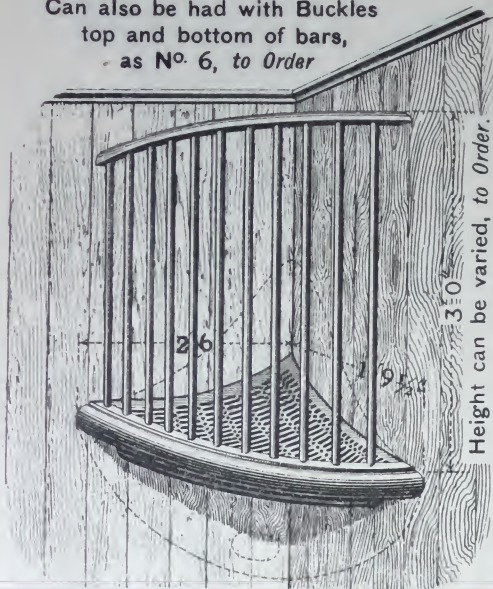
IMPROVED STABLE FITTINGS. HAY RACKS.

2208

N^o 5

WROUGHT BAR CORNER HAY RACK.
with Cast Seed Pan and Grating,
Right or Left Hand.

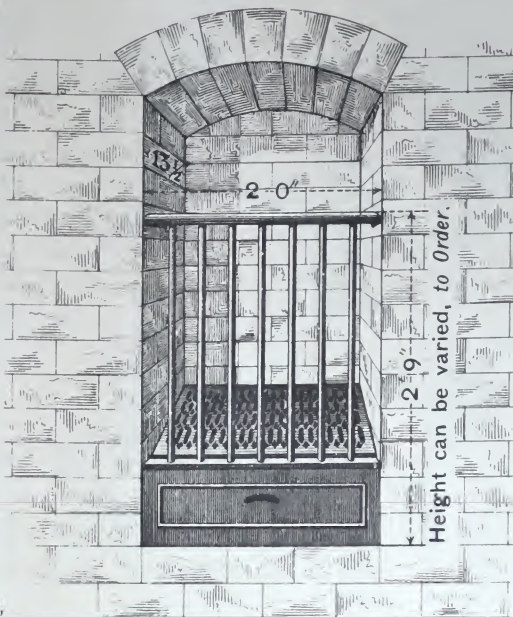
Can also be had with Buckles
top and bottom of bars,
as N^o 6, to Order



Can also be had with HIGH GRATING and LARGE
WROUGHT IRON SAFETY FRONT with Door
as indicated by dotted lines to Order.
FRONT ROLL Matches N^{os} 4, 5, 6, 7, 9, 11, 15, 19, 20,
24, 25 32, 33, 38, 41, 75, 128, and 129 Manger Sets.

N^o 7

WROUGHT BAR RECESSED HAY RACK,
with Cast Seed Pan and Grating,
Can also be had with buckles top and
bottom of bars, as N^o 6, to Order.

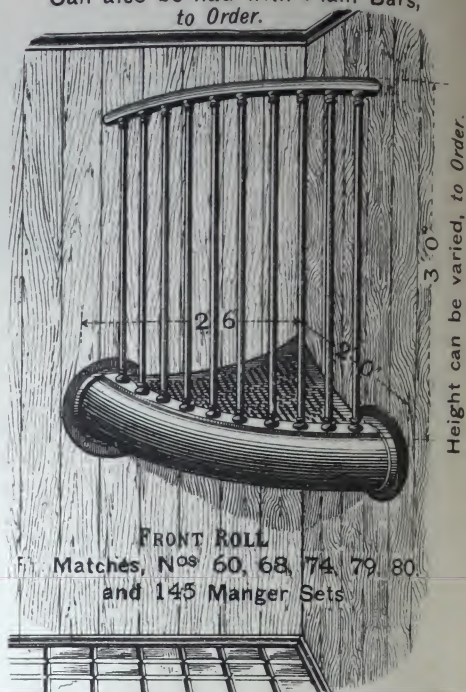


N^o 6

WROUGHT BAR CORNER HAY RACK,
with Cast Seed Pan, Grating and
extra large Safety Front

Right or Left Hand.

Can also be had with Plain Bars,
to Order.



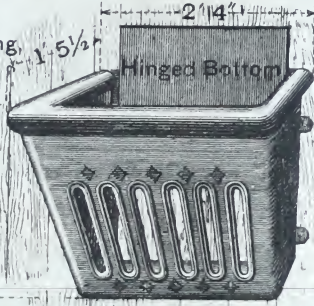
FRONT ROLL
Matches, N^{os} 60, 68, 74, 79, 80,
and 145 Manger Sets

N^o 8

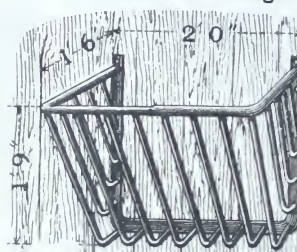
WROUGHT BAR HAY RACK
with Cast Seed Pan and Roll Capping.



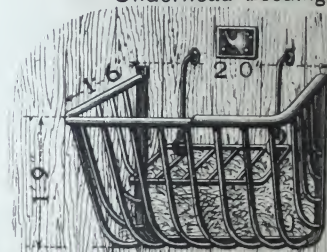
COMBINED
HAY RACK AND TROUGH.



N^o 10
WROUGHT IRON HAY RACK
with Moulded Capping for
Underhead Feeding.



N^o 11
WROUGHT IRON HAY RACK
with Sliding Grid and Moulded Capping
for Underhead Feeding.

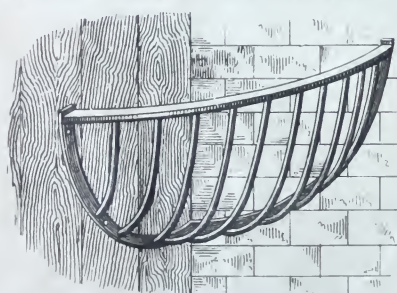


When Hinged Bottom falls down a Large Trough
is formed for Chop, and when in position as
shown it becomes usual Open Hay Rack.

N^o 10 and N^o 11 can be had without Capping, to Order.

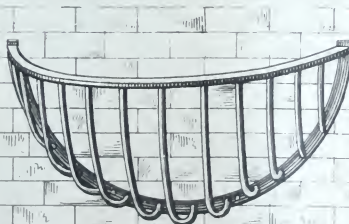
N^o 3

WROUGHT IRON CORNER HAY RACK.



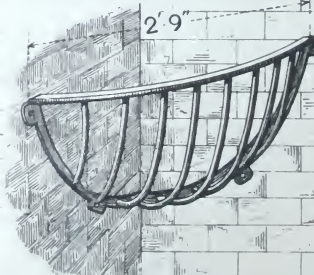
Sizes, 2' 6", 2' 9", 3' 0" and 3' 6"

N^o 4
WROUGHT IRON FLAT HAY RACK.

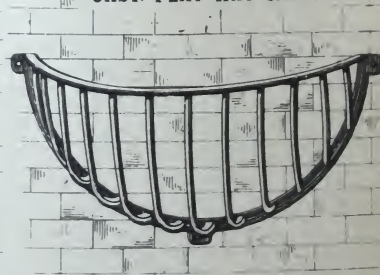


Sizes, 2' 6", 2' 9", 3' 0" and 3' 6"

N^o 2
CAST CORNER HAY RACK.



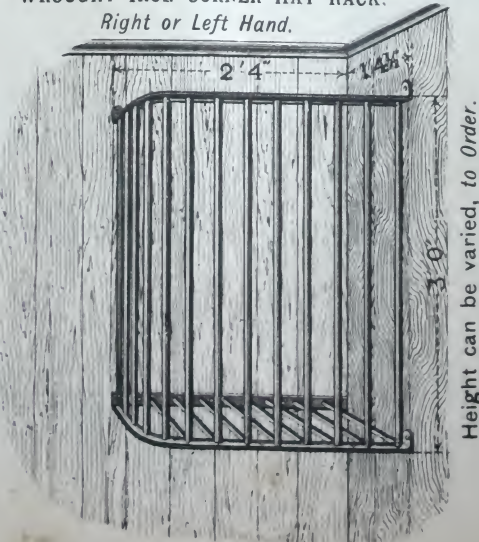
N^o 1
CAST. FLAT HAY RACK.



Sizes, 2' 6", 2' 8", 3' 0" and 3' 6"

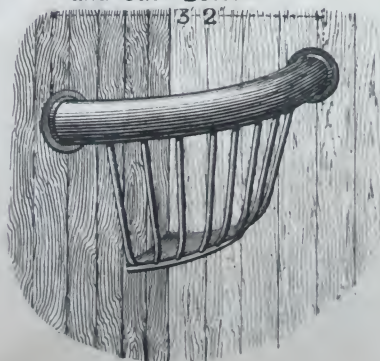
N^o 14

WROUGHT IRON CORNER HAY RACK.
Right or Left Hand.



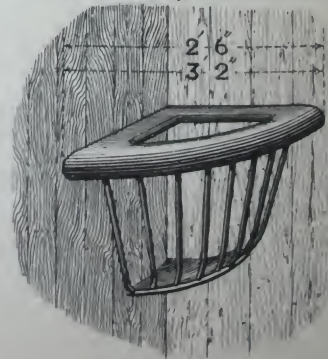
N^o 12

WROUGHT BAR CORNER HAY RACK,
With extra large Cast Tubular Safety Front
and Cast Bottom



N^o 13

WROUGHT BAR CORNER HAY RACK
with Cast Top and Bottom



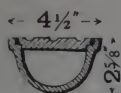
IMPROVED STABLE FITTINGS.

GUTTERS AND CONNECTIONS.

2211

N° 1

SECTION.

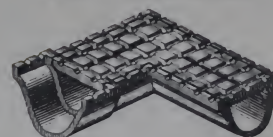


STRONG WITH LOOSE COVER.

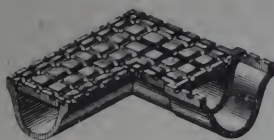


Cast in 2' 4" 3' 4" 4' 4" 5' 4" and 6' 0" Lengths.

RIGHT HAND ANGLE.



LEFT HAND ANGLE.



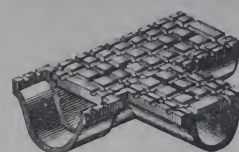
LEFT HAND T PIECE.



CROSS PIECE.

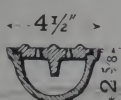


RIGHT HAND T PIECE.



N° 4

SECTION.



STRONG WITH LOOSE COVER.



Cast in 2' 4" 3' 4" 4' 4" 5' 4" and 6' 0" Lengths

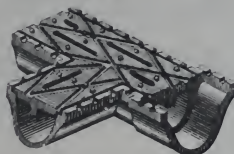
RIGHT HAND ANGLE.



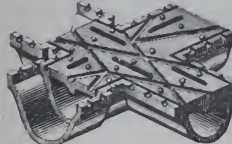
LEFT HAND ANGLE.



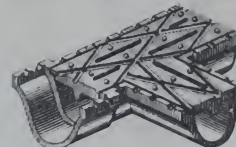
LEFT HAND T PIECE.



CROSS PIECE.

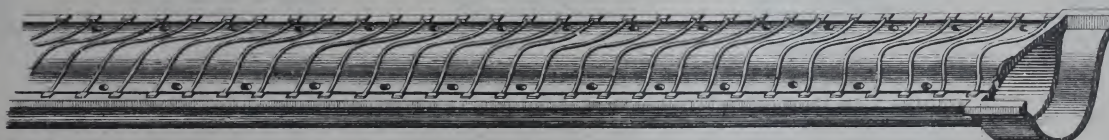


RIGHT HAND T PIECE.



N° 7

WITH LOOSE COVER IN MALLEABLE CAST IRON,
CAN ALSO BE SUPPLIED IN COMMON CAST IRON TO ORDER



Cast in 6' 0" Lengths.

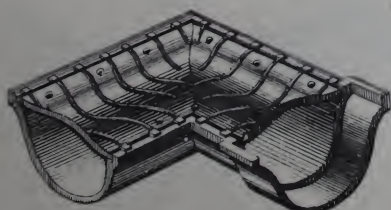
Can also be had 18' 4 1/2" long, cast in 3 Lengths of 6' 1 1/2" each without Sockets, tapering from 6 1/4" to 3 3/8" deep over cover.

6' 1 1/2"

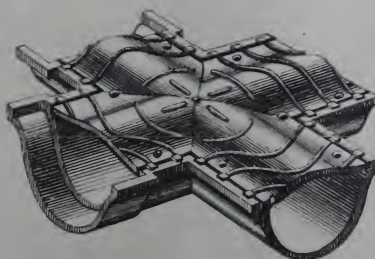
6' 1 1/2"
18' 4 1/2"

6' 1 1/2"

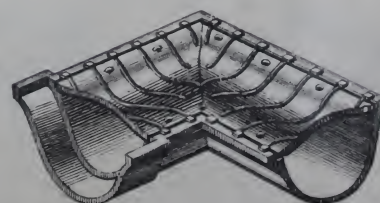
LEFT HAND ANGLE.



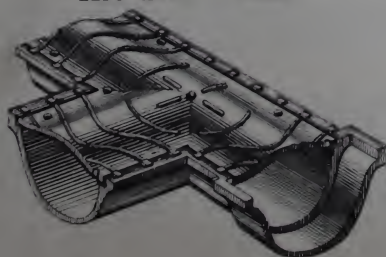
CROSS PIECE.



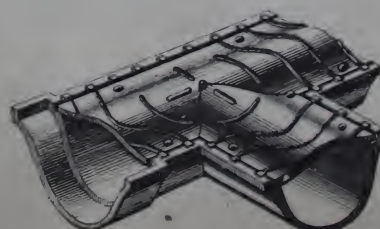
RIGHT HAND ANGLE.



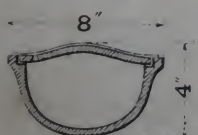
LEFT HAND T PIECE.



RIGHT HAND T PIECE.



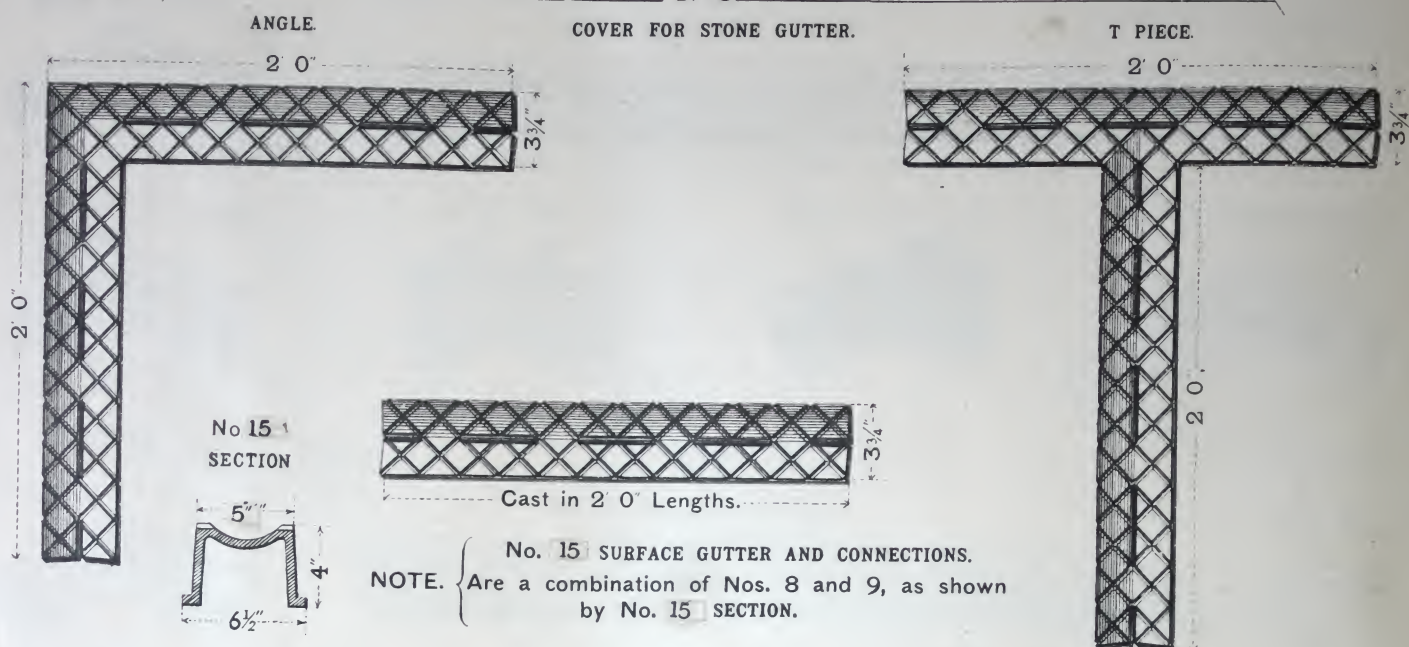
SECTION.



IMPROVED STABLE FITTINGS.

GUTTERS AND CONNECTIONS.

N° 6



N° 8

SURFACE GUTTER.

SECTION.



Cast in 6' 0" Lengths.

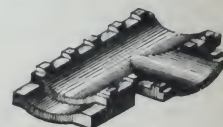
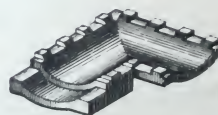
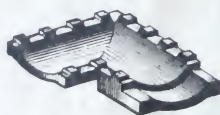
LEFT HAND ANGLE.

LEFT HAND T PIECE.

CROSS PIECE.

RIGHT HAND ANGLE.

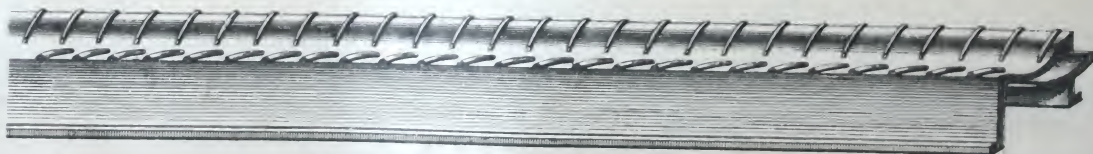
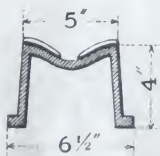
RIGHT HAND T PIECE.



N° 9

SURFACE GUTTER.

SECTION.



Cast in 6' 0" Lengths.

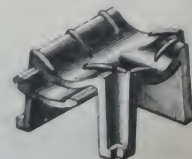
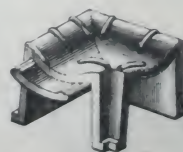
LEFT HAND ANGLE.

LEFT HAND T PIECE.

CROSS PIECE.

RIGHT HAND ANGLE.

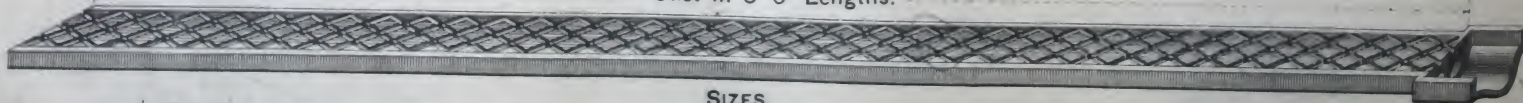
RIGHT HAND T PIECE.



N° 12

STABLE GUTTER.

Cast in 6' 0" Lengths.



SIZES,

A PATTERN, 1 5/8" DEEP (PARALLEL).

B " 1 1/8" " INCREASING TO 2 3/10"

C " 2 3/10" " " 2 9/10"

D " 2 9/10" " " 3 1/2"

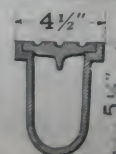
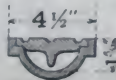
E PATTERN, 3 1/2" DEEP, INCREASING TO 4 1/10"

F " 4 1/10" " " 4 7/10"

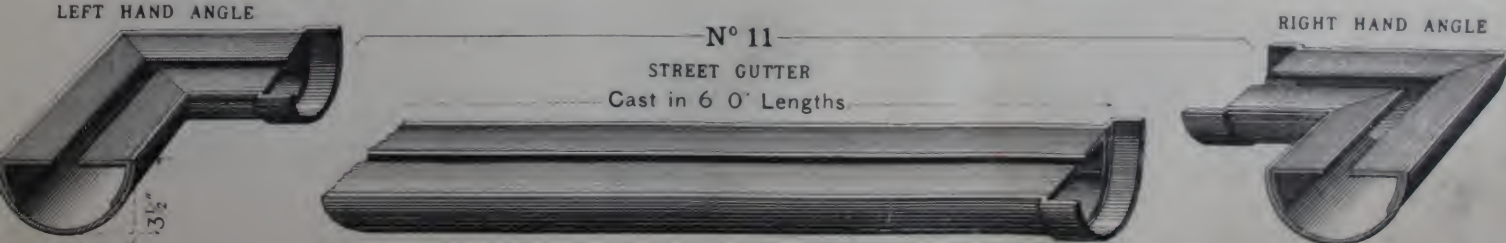
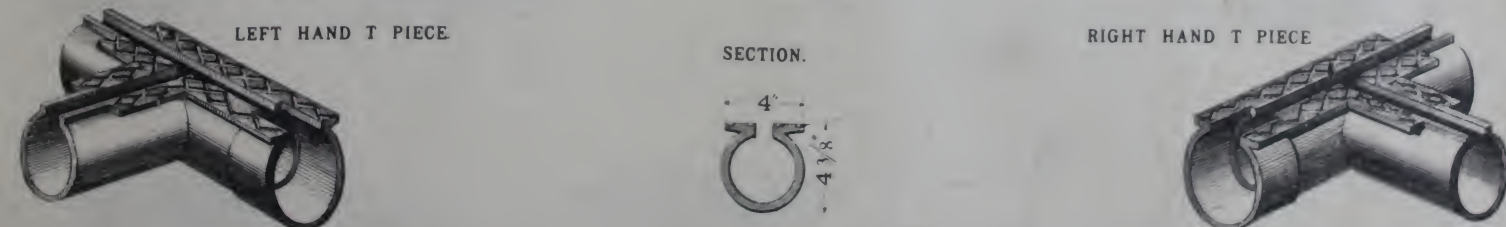
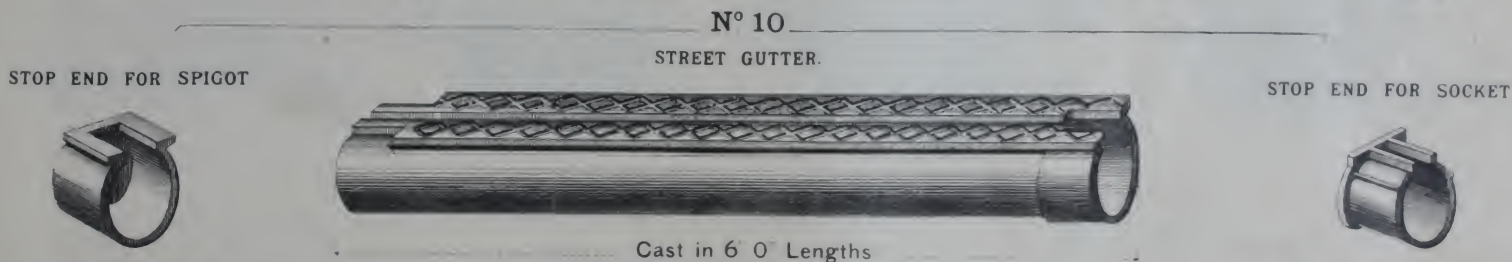
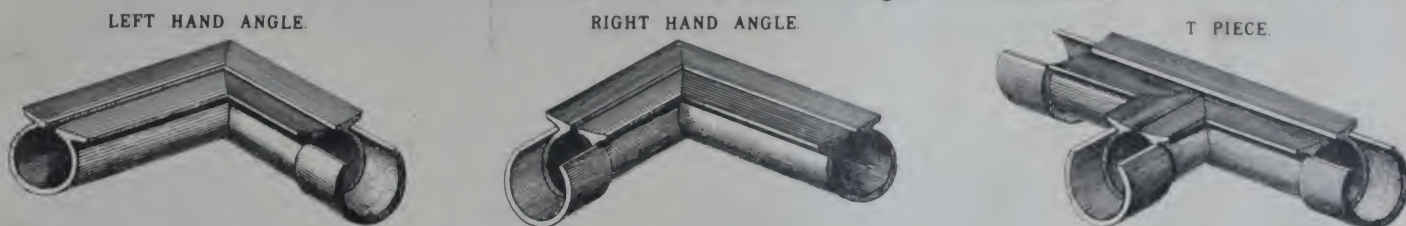
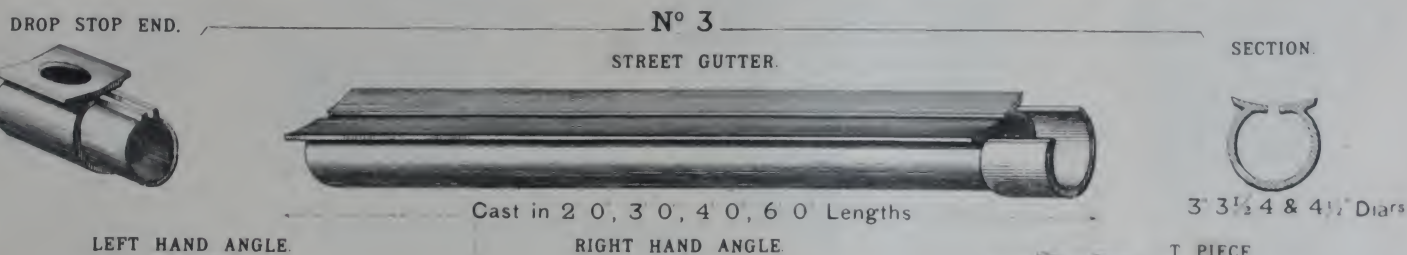
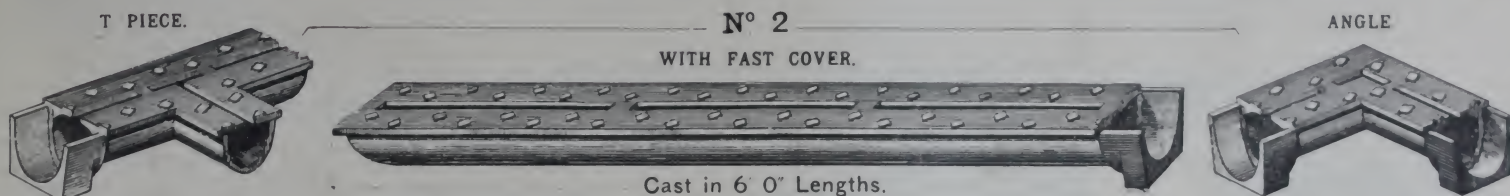
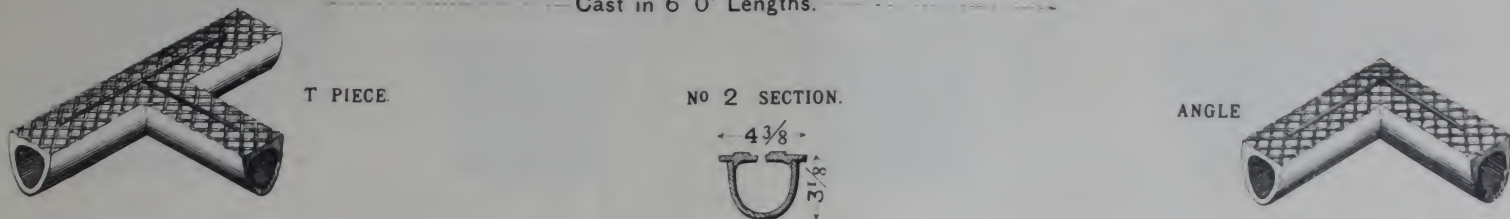
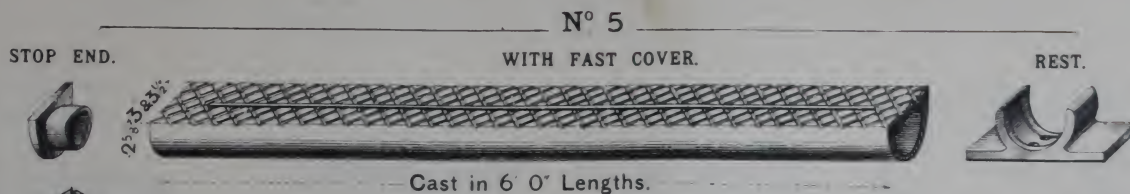
G " 4 7/10" " " 5 1/10"

H " 5 1/10" " " 5 1/2"

Section of Parallel Length.



Section of Deepest Length.

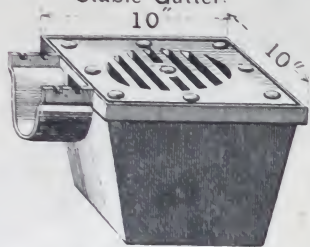


Note.—The 2 pieces forming Top are cast separate and fitted.

IMPROVED STABLE FITTINGS. HORSE AND MARE POTS.

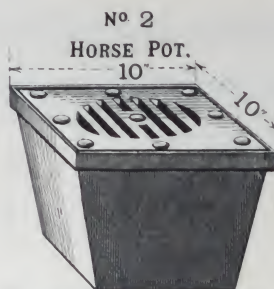
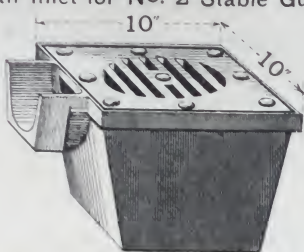
Made to receive the STABLE GUTTERS as noted, with 1 or 4 Inlets, &c., as required, also with no Inlet, when acting independently, to Order.

No. 5
HORSE POT.
With Inlets for NO. 1 or NO. 4
Stable Gutter.



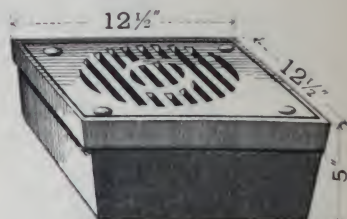
Sizes, $\frac{8}{6}$, $\frac{9}{7}$, $\frac{10}{7}$, $\frac{12}{7}$ square.
deep.

No. 6
HORSE POT.
With Inlet for NO. 2 Stable Gutter.

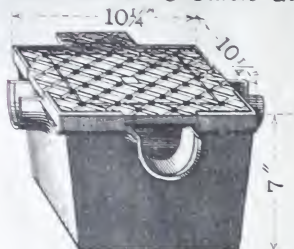


Sizes, $\frac{6}{5\frac{1}{2}}$, $\frac{8}{6}$, $\frac{9}{7}$, $\frac{10}{7}$, $\frac{12}{7}$, $\frac{13}{7\frac{1}{2}}$ square.
deep

No. 3
HORSE POT.

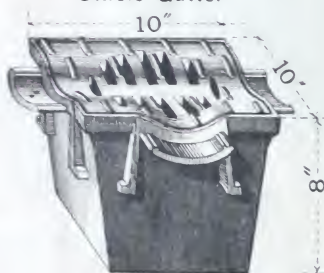


No. 4
HORSE POT, (Hinged Cover.)
With Inlets for NO. 5 Stable Gutter

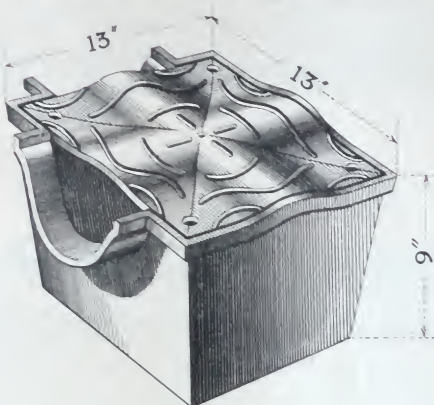


Sizes, $\frac{10\frac{1}{4}}{5}$, square.
and $\frac{7}{7}$ deep.

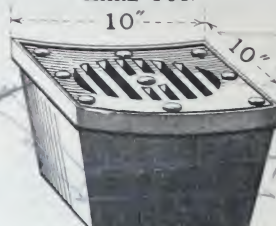
No. 9 HORSE POT.
With Inlets for NO. 8 or NO. 9
Stable Gutter



No. 7
HORSE POT.
With Inlets for NO. 7 Stable Gutter.



No. 1
MARE POT.

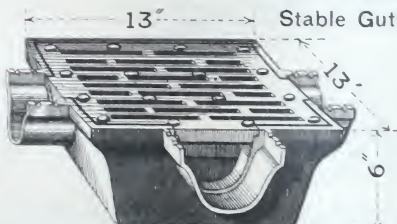


Sizes, $\frac{8}{6}$, $\frac{9}{8}$, $\frac{10}{8}$, $\frac{12}{7\frac{1}{2}}$, $\frac{13}{7\frac{1}{2}}$ square. Nos. 1, 2, 3, 4, 5, 6, 7, and 9 similar.
deep.

Section thro'
NO. 5 STABLE GUTTER.



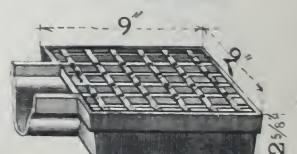
No. 10
MARE POT.
With Inlets for NO. 1 or NO. 4
Stable Gutter.



Section.

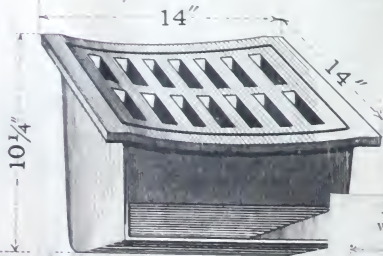


No. 11
HORSE POT.
With Inlets for NO. 1 or NO. 4
Stable Gutter.
No Bell Trap, as No. 5, but only
Nozzle in Bottom.

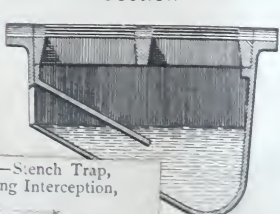


DRAIN TRAPS.

No. 25



Section



No. 29—Scotch Trap,
with Lifting Interception,



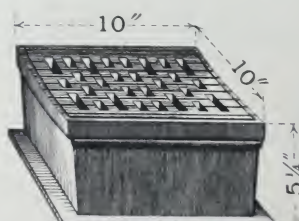
No. 29

Inlet Sockets to receive ends of
No. 1 or No. 4 Stable Gutters.

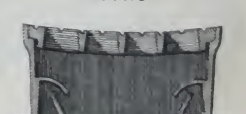
Section



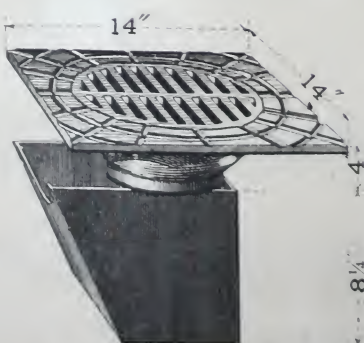
No. 26



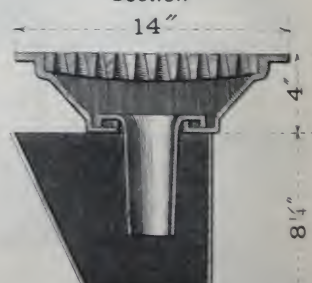
Section



No. 28



Section



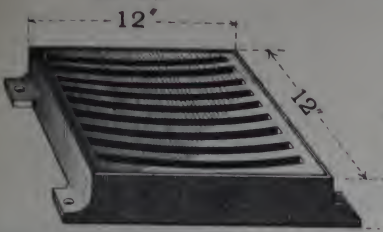
No. 27



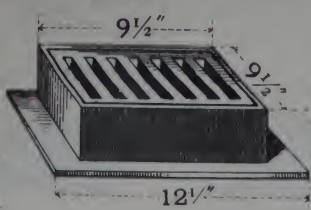
STABLE, GARDEN, SURFACE, CHANNEL, AND STREET GRATINGS AND FRAMES.

STABLE GRATINGS AND FRAMES.

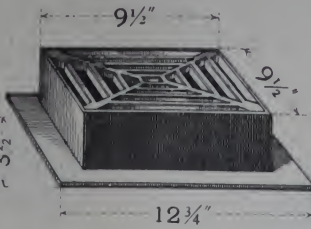
No. 29



No. 30

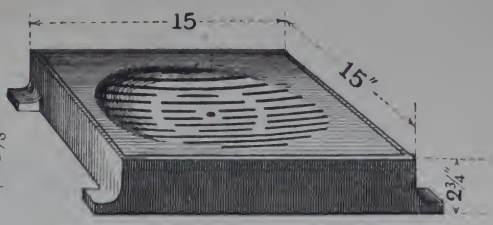


No. 31 (Hinged)



No. 32

GARDEN GRATING AND FRAME

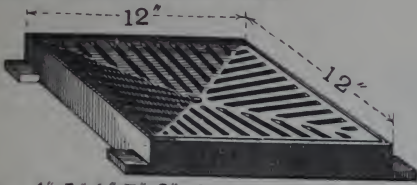


Sizes, 6", 7", 8", 9", 10", and 12" square.
1 1/8", 2 3/8", 2 1/2", 2 3/4" Deep.

Sizes, 14", 15" and 18" square.

No. 33

GARDEN GRATING AND FRAME

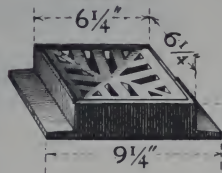


Sizes, 4", 5", 6", 7", 8", 9", 10", 11", 12" and 18" square.
1 1/4", 1 3/8", 1 1/2", 1 3/4", 1 7/8", 2 1/2", 1 7/8", 2 3/4" Deep.

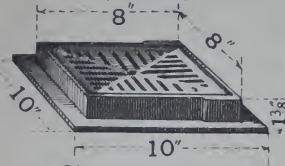
Note. Those underlined can be had both Light and Heavy
a heavy sizes, 9 1/2" sq x 2 1/4" Deep. and 9 3/4" sq x 2 1/2" Deep.
ged Grating, 15" square. x 2 3/4" Deep.

SURFACE GRATINGS AND FRAMES.

No. 34

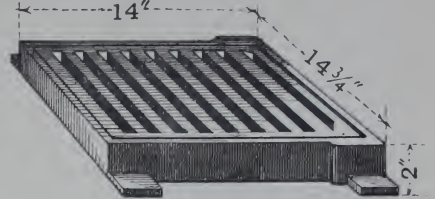


No. 35 (Hinged.)



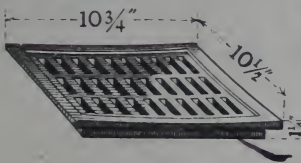
Sizes at Top.
6" and 8" square.

No. 36 (Hinged.)

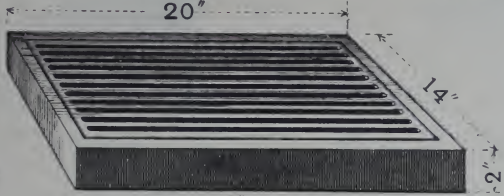


SURFACE GRATINGS AND FRAMES.

No. 37

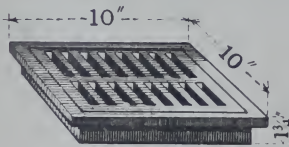


No. 38

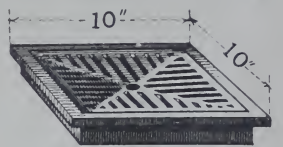


Sizes, 15" x 15"
" 20" x 14"
" 27" x 18"

No. 39



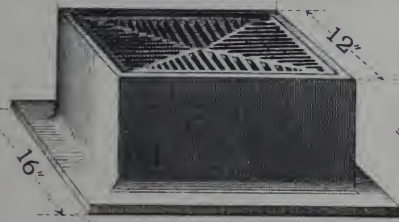
No. 40



Sizes, 7" and 10" square.
1 1/4" Deep.

No. 41

SURFACE BOX AND GRATING.



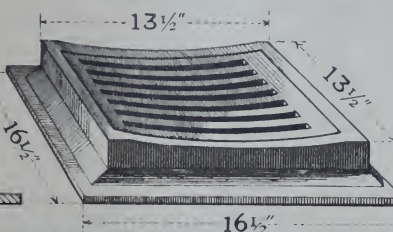
Can be had with Solid Top.

Section.

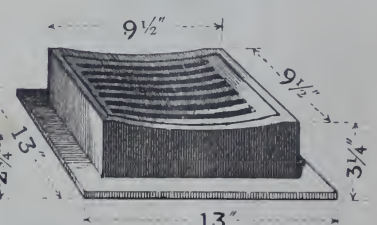


CHANNEL GRATINGS AND FRAMES.

No. 42

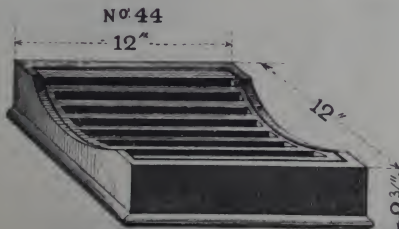


No. 43



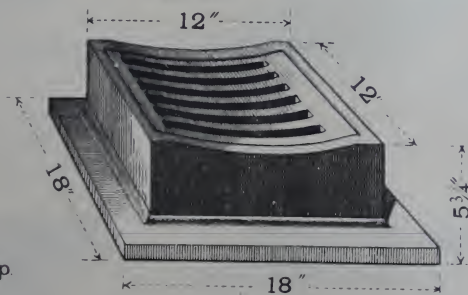
CHANNEL GRATINGS AND FRAMES.

No. 44

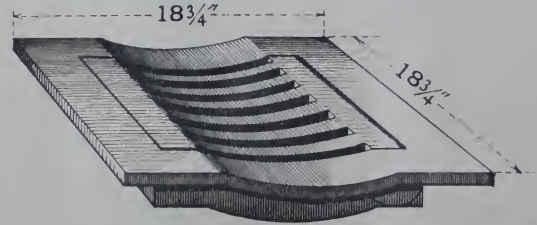


Sizes, 7", 8", 10" and 12" square x 2 3/4" deep
also 12" heavy x 3 "

No. 45



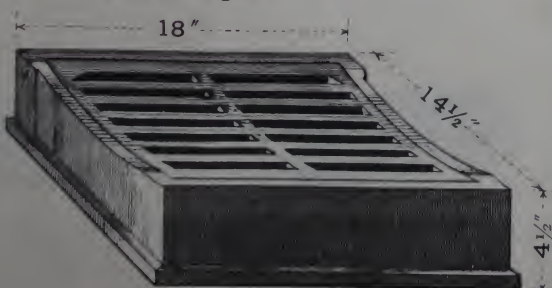
No. 46 (Hinged)



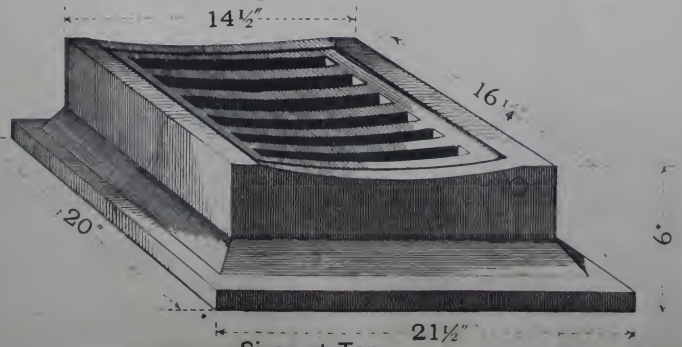
Sizes, 11 1/2", 16" and 18 3/4" square.

STREET GRATINGS AND FRAMES.

No. 47 (Hinged.)



No. 48 (Hinged.)



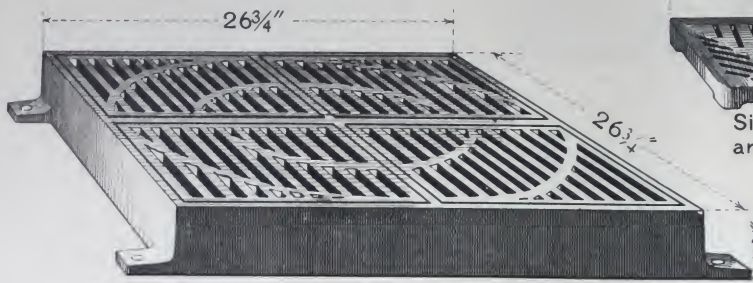
Sizes at Top.

13 1/2" x 13 1/2" x 2 3/4" deep, 14 1/2" x 12" x 6" deep, 16 1/4" x 14 1/2" x 6" deep.

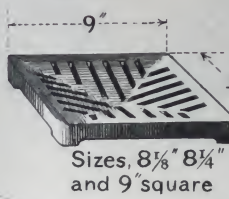
IMPROVED STABLE FITTINGS.

DISHED AND FLAT DRAIN GRATINGS

No. 49
WITH FRAME. (Grating in 4 Pieces.)

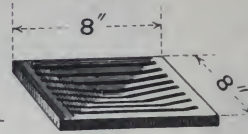


No. 50

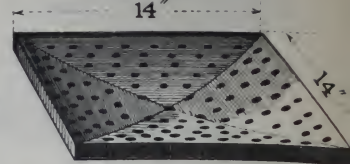


Sizes, 8 1/8" 8 1/4" and 9" square

No. 51

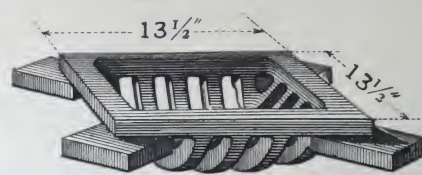


No. 52

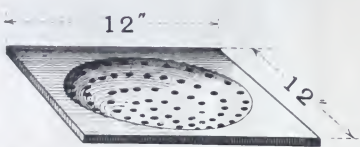


Sizes, 5 5/8", 6 3/4", 7", 7 1/2", 8", 10", 12" and 14" square.

No. 76

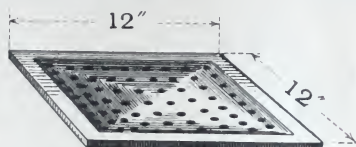


No. 53



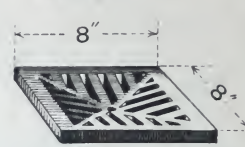
Sizes, 6", 7", 8", 9", 10", 11" and 12" square.

No. 54



Sizes, 4", 5", 6", 7", 8", 9", 10", 11" and 12" square.

No. 55

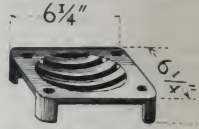


Sizes, 6", 7", 8", 8 1/4", 9", 10", 11" and 12" square.

Extra Heavy Sizes, 6", 7 3/8", 11 1/4" and 12"

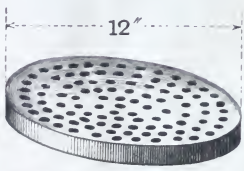
No. 56

Suits Doulton's No. 13^d Yard Gull



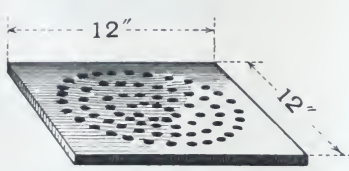
Sizes, 4 1/2", 4 3/4", 5", 5 1/4", 6", 6 1/8" and 6 1/4" square

No. 57



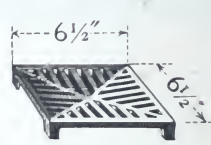
Sizes, 8 3/4", 10" and 12" Dia.
Thickness 1/4", 1"

No. 58



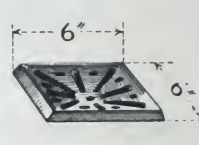
Sizes, 9" and 12" square.

No. 59

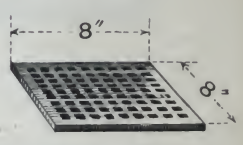


Sizes, 4 3/8" and 6 1/2" square.

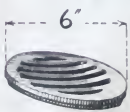
No. 60



No. 61



No. 62

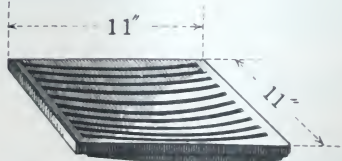


No. 63



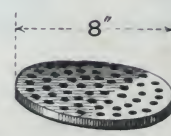
Sizes, 6", 7", 8", 9", 10", and 12" dia.

No. 64



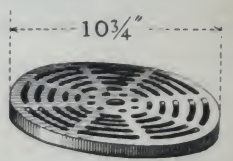
Sizes, 6", 9", and 11" square.

No. 65



Sizes, 8" and 11" Dia.

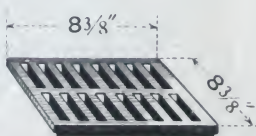
No. 66



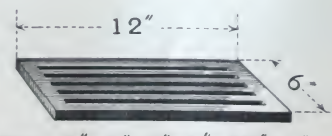
No. 67



No. 68

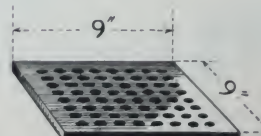


No. 69



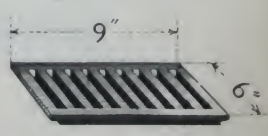
Sizes, 7" x 5", 9" x 6", 12" x 6".

No. 70



Sizes, 9" and 12" square.

No. 71



No. 72



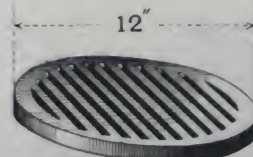
Sizes, 4", 5 1/2", 6", 7", 8", 9", 10", 11", 12", 14", and 16" square.

No. 73



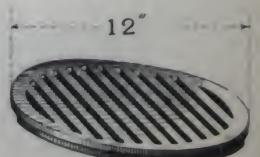
Sizes, 3", 4", 5", 5 1/2", 6", 7", 8", 9", 11", 12", 14", 16" and 18" square.

No. 74



Sizes, 3 1/2", 4 3/8", 5", 5 1/4", 5 1/2", 6", 7", 8", 8 1/8", 9", 10", 11" and 12" Dia.

No. 75



Sizes, 4", 5", 5 1/2", 6", 7", 7 1/4", 7 1/2", 8", 10", 10 1/2", 11", 12", 14", and 16" Dia.

INDEX TO NAME PLATES, HARNESS BRACKETS, CLEANING AND TYING APPARATUS, &c

2219

N ^o	PAGE.	N ^o .	PAGE.	N ^o .	PAGE.	N ^o .	PAGE.	N ^o .	PAGE.	N ^o	PAGE.
20	2169	71	2221	123	2223	174	2226	225	2230	276	2231
21	"	72	"	124	"	175	"	226	"	277	"
22	"	73	"	125	"	176	"	227	"	278	"
23	"	75	2222	126	"	177	"	228	"	279	"
24	"	76	"	127	"	178	"	229	"	280	"
25	"	77	"	128	"	179	"	230	"	281	"
26	2220	78	"	129	2224	180	"	231	"	282	"
27	"	79	"	130	"	181	"	232	"	283	"
28	"	80	"	131	"	182	"	233	"	284	"
29	"	81	"	132	"	183	"	234	"	285	"
30	"	82	"	133	"	184	"	235	"	286	"
31	"	83	"	134	"	185	"	236	"	287	"
32	"	84	"	135	"	186	"	237	"	288	"
33	"	85	"	136	"	187	"	238	"	289	"
34	"	86	"	137	"	188	2227	239	"	290	"
35	"	87	"	138	"	189	"	240	"	291	"
36	"	88	"	139	"	190	"	241	"	292	"
37	"	89	"	140	"	191	"	242	"	293	"
38	"	90	"	141	"	192	"	243	"	294	"
39	"	91	"	142	"	193	"	244	"	295	2205
40	"	92	"	143	"	194	"	245	"	296	"
41	"	93	"	144	"	195	2228	246	"	297	"
42	"	94	"	145	"	196	"	247	"	298	2206
43	"	95	"	146	"	197	"	248	"	299	"
44	"	96	"	147	"	198	"	249	"	300	"
45	"	97	"	148	"	199	"	250	"	301	"
46	"	98	"	149	"	200	"	251	"	302	2207
47	"	99	"	150	"	201	2230	252	"	303	"
48	"	100	"	151	"	202	"	253	"	304	"
49	"	101	2223	152	"	203	"	254	"	305	"
50	"	102	"	153	"	204	"	255	"	306	{ 2170
51	"	103	"	154	"	205	"	256	"		{ 2171
52	2221	104	"	155	2225	206	"	257	"	307	2170
53	"	105	"	156	"	207	"	258	"	308	2171
54	"	106	"	157	"	208	"	259	"	309	"
55	"	107	"	158	"	209	"	260	"	310	2111
56	"	108	"	159	"	210	"	261	"	311	2236
57	"	109	"	160	"	211	"	262	"	312	"
58	"	110	"	161	"	212	"	263	"	313	"
59	"	111	"	162	"	213	"	264	"	314	2230
60	"	112	"	163	"	214	"	265	"	315	"
61	"	113	"	164	"	215	"	266	"	316	2229
62	"	114	"	165	"	216	"	267	2231	317	"
63	"	115	"	166	"	217	"	268	"	318	"
64	"	116	"	167	"	218	"	269	"	319	"
65	"	117	"	168	"	219	"	270	"	320	"
66	"	118	"	169	"	220	"	271	"	321	2230
67	"	119	"	170	"	221	"	272	"	322	2231
68	"	120	"	171	2226	222	"	273	"	323	"
69	"	121	"	172	"	223	"	274	"	324	2227
70	"	122	"	173	"	224	"	275	"	325	2224

IMPROVED STABLE FITTINGS.

2220

HORSES' NAME PLATES FOR STALLS AND LOOSE BOXES.

No. 26



SLIDING PLATE.
BRASS HORSE SHOE.

No. 27



SLIDING PLATE

No. 28



SLIDING PLATE

No. 29



No. 30



No. 31



No. 32



No. 33



No. 34



SLIDING PLATE

No. 35



SLIDING PLATE

No. 36



SLIDING PLATE

No. 37



No. 38



SLIDING PLATE

No. 39



No. 40



SLIDING PLATE

No. 41



No. 42



No. 43



No. 44



WITH FIXED OR SLIDING PLATE.

No. 45



No. 46



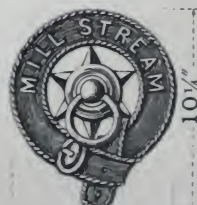
No. 47



No. 48



No. 50



No. 51



LOOSE NAME PLATE
FIXED WITH CATCH.
IRON STAR AND
BRASS RING.

NAMES ON SLIDING PLATES CAN BE HAD IN ENAMELLED LETTERS (VARIOUS COLOURS) PAINTED OR CAST ON

AND NAMES ON FIXED PLATES PAINTED OR CAST ON TO ORDER. COMBINATIONS OF NAME PLATES AND RINGS CAN BE VARIED

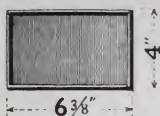
IMPROVED STABLE FITTINGS.

NAME PLATES

2221

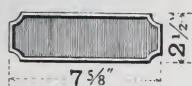
NAMES OF CUSTOMERS, MONOGRAMS, COATS OF ARMS, PLACES. OR OTHER DEVICES CAST ON TO ORDER

No. 52



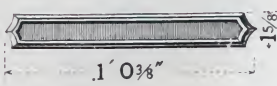
Sizes.
4" x 1 3/4"
4 1/8" x 1 1/2"
6 3/8" x 4"

No. 53



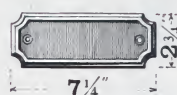
Sizes.
3" x 1" 6" x 2 1/2"
4" x 1 1/4" 6" x 3"
4" x 2 1/2" 7 3/4" x 2 1/8"
5" x 2" 7 5/8" x 2 1/2"
6" x 2 1/4" 8 1/2" x 2 1/8"

No. 54



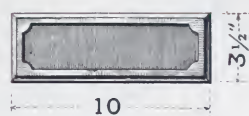
Sizes.
7 1/8" x 1 5/8"
1' 0 3/8" x 1 5/8"
1' 1 1/2" x 2"
1' 6" x 1 5/8"
1' 6" x 2"
2' 3" x 2"

No. 55



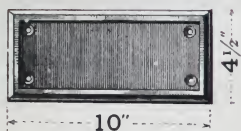
Sizes.
4" x 2 1/8" 6" x 4"
4 3/8" x 1 1/2" 6 3/4" x 1 5/8"
5 3/4" x 2" 7 1/8" x 1 5/8"
6" x 1 5/8" 7 1/4" x 2 3/4"
6" x 2 1/2" 8" x 4"
6" x 2 3/4" 9 1/2" x 2 3/4"

No. 56

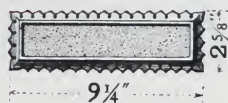


Sizes.
10" x 3 1/2"
11 1/2" x 4 3/4"

No. 57



No. 58



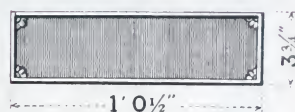
No. 59



No. 60



No. 61



Sizes.
8 3/8" x 3"
1' 0 1/2" x 3 3/4"
1' 1" x 5"

No. 62



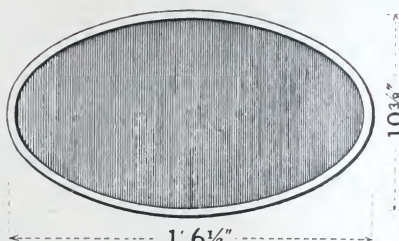
Sizes.
6" x 2 1/2"
9" x 3"

No. 63



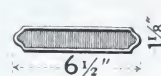
Sizes.
4 1/8" x 1 5/8"
6 1/8" x 1 3/4"
6 1/4" x 1 1/2"

No. 64



Sizes.
6" x 3 5/8" 11" x 7"
7" x 4 1/4" 1' 6 1/2" x 10 3/8"

No. 65



No. 66

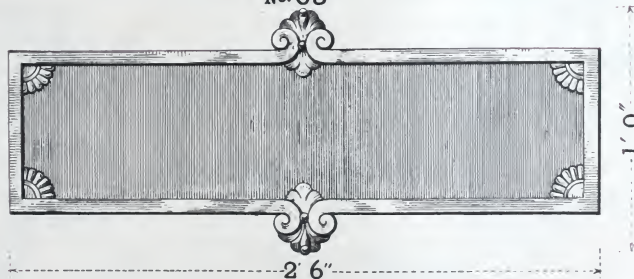


Sizes.
4 1/2" x 3"
7 3/4" x 5"

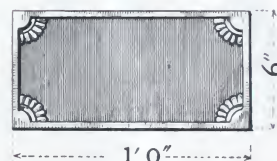
No. 67



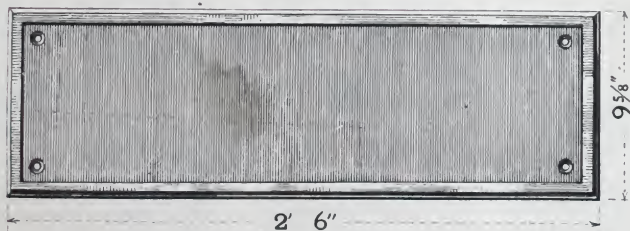
No. 68



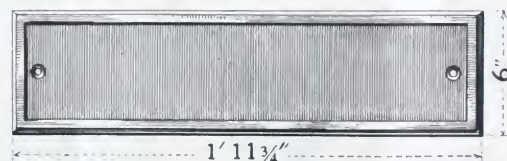
No. 69



No. 70



No. 71



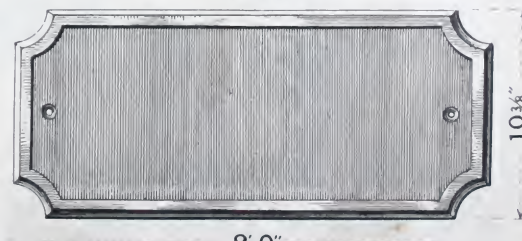
Sizes.
1' 11 3/4" x 6"
2' 6" x 6"

No. 72



Sizes.
1' 9" x 6" 2' 8" x 6"
2' 2" x 6" 3' 2" x 6"
2' 5" x 6" 3' 7 1/2" x 6"

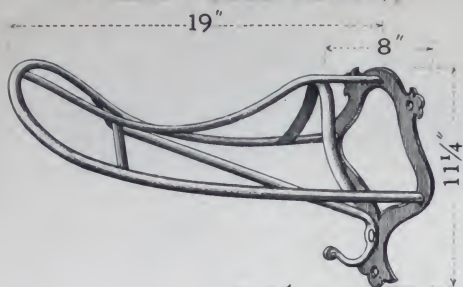
No. 73



Sizes.
1' 6" x 6 3/4" 2' 0" x 10 3/8"
1' 6 1/4" x 10 1/2" 2' 4 1/2" x 10 3/8"
2' 0" x 6 3/4"

IMPROVED STABLE FITTINGS. HARNESS BRACKETS, &C.

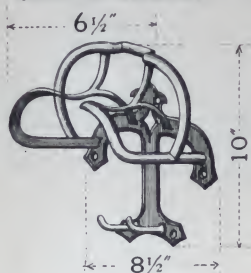
No. 75
GENTLEMAN'S SADDLE BRACKET,



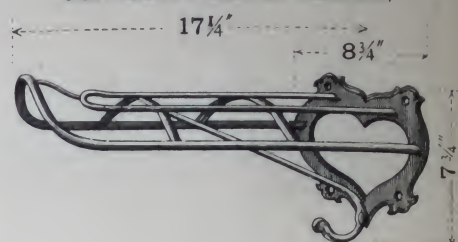
No. 76
LADY'S SADDLE BRACKET.



No. 79 COLLAR, MARTINGALE, AND
CRUPPER BRACKET.



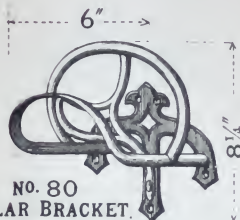
No. 77
GENTLEMAN'S SADDLE BRACKET,



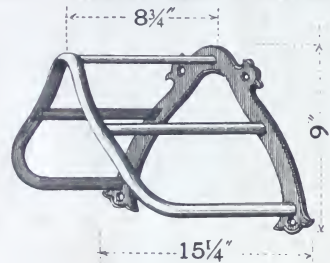
No. 78
LADY'S SADDLE BRACKET.



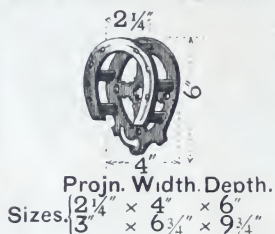
No. 80
COLLAR BRACKET.
Proj. Width. Depth.
Pony Size, 6" x 7" x 8 1/4"
Full Size, 6" x 8 1/2" x 9"



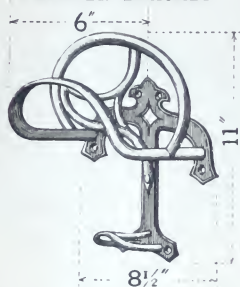
No. 82
SINGLE HARNESS SADDLE BRACKET.



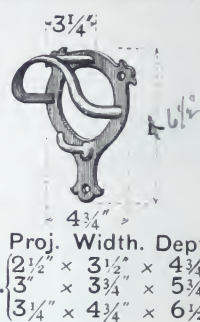
No. 86
HORSE SHOE.
RIDING BRIDLE BRACKET.



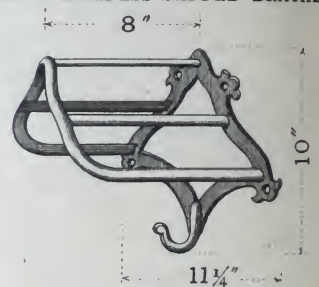
No. 81 COLLAR AND
CRUPPER BRACKET



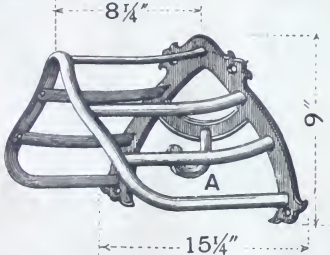
No. 87
RIDING BRIDLE BRACKET. SINGLE HARNESS SADDLE BRACKET.



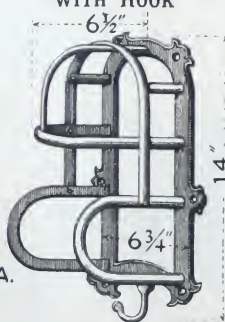
No. 84
RIDING BRIDLE BRACKET. SINGLE HARNESS SADDLE BRACKET.



No. 83
SINGLE HARNESS SADDLE BRACKET.

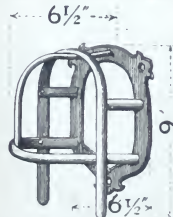


No. 88 DRIVING BRIDLE AND
WINKER BRACKET.
WITH HOOK

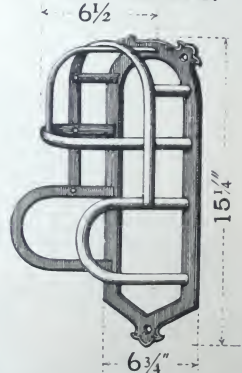


No. 81 COLLAR AND
CRUPPER BRACKET
Proj. Width. Depth.
Pony Size, 6" x 7" x 10"
Full Size, 6" x 8 1/2" x 11"

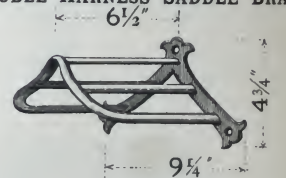
No. 90
DRIVING BRIDLE BRACKET



No. 89 DRIVING BRIDLE AND
WINKER BRACKET.

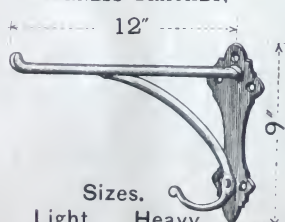


No. 85
DOUBLE HARNESS SADDLE BRACKET.



Can also be supplied without Hook at A.

No. 91
HARNESS BRACKET,



Sizes.
Light. Heavy.
7" x 6" 8" x 7"
8" x 6" 10" x 7"
10" x 7" 12" x 9"
12" x 7" 15" x 9"
15" x 8" 18" x 10"

No. 93
FORK, SHOVEL,
OR BROOM HOLDER.



Sizes.
1 1/2" 2 1/4" and 3 1/2"
projection.

No. 94 GIRTH OR
HARNESS HOOK.



Sizes.
1 1/4", 1 1/2", 2", 2 1/2"
and 2 3/4" projection.

No. 95 REIN AND
CRUPPER HOLDER



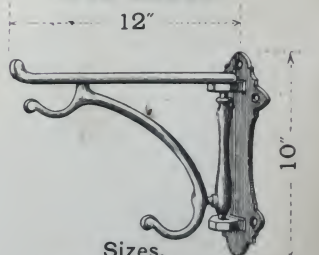
Proj. Width. Depth.
3 1/2" x 3 1/2" x 2 1/4"
4 1/4" x 4" x 2 3/4"

No. 96 BRIDLE HOOK.



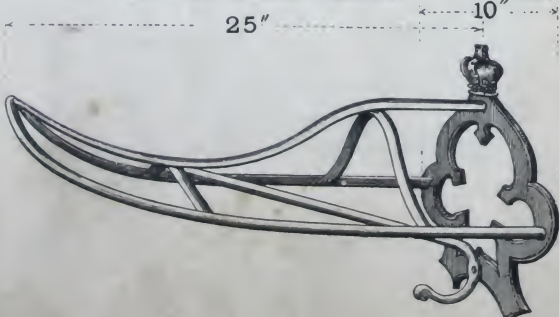
Sizes,
2 3/4", 3", 3 1/4", 3 3/4",
4", 4 1/2", 5", 5 1/2",
6" and 8" projection.

No. 92
SWING BRACKET.



Sizes.
Light. Heavy.
8" x 6 1/2" 9" x 8"
9 1/2" x 8" 12" x 10"
10" x 8" 16" x 10"
12" x 8"

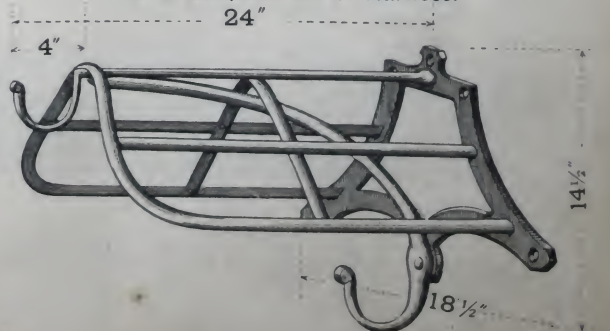
No. 98
MILITARY SADDLE BRACKET



No. 99
BRIDLE BRACKET.



No. 100
DRAUGHT-HORSE HARNESS BRACKET, EXTRA STRONG.
for a complete set of Harness.



IMPROVED STABLE FITTINGS. HARNESS BRACKETS, &C.,

2223

N^o 101
BUCKET BRACKET.



Sizes.
7" x 6 1/4", 9 1/2" x 6 1/4"

N^o 102
BUCKET BRACKET.



N^o 103
HARNESS BRACKET.



Sizes.
4" x 2 3/4"
5" x 2 3/4"
6" x 3"
7" x 3 1/2"
8" x 3 1/2"

N^o 104
CARRIAGE POLE HOOK.

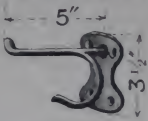


Sizes.
3 1/2" x 3 3/4"
5" x 4 1/2"

N^o 105
HARNESS BRACKET.

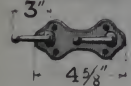


N^o 106
HARNESS BRACKET.



Sizes.
5" x 3 1/2"
7" x 4 1/4"
9" x 4 1/4"

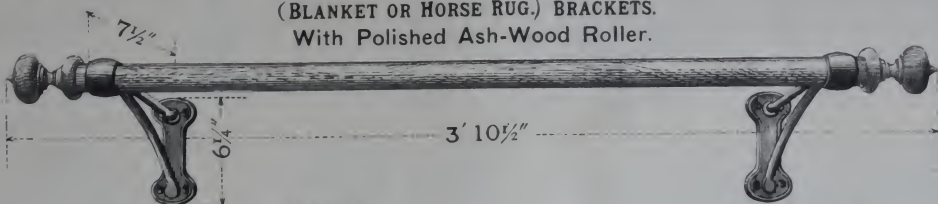
N^o 107
BIT AND STIRRUP
HOLDER.



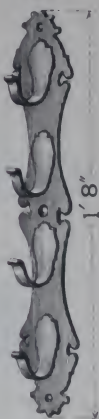
N^o 108
CURB
OR LINE HOOK.



N^o 109
(BLANKET OR HORSE RUG.) BRACKETS.
With Polished Ash-Wood Roller.

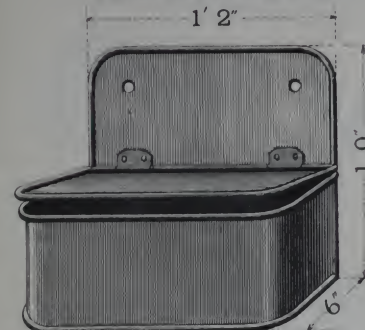


N^o 110
CARRIAGE POLE
RACK.



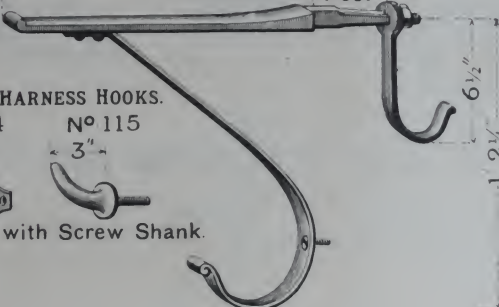
Supplied in pairs.

N^o 111
BRUSH OR SPONGE BOX.

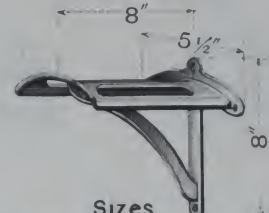


Perforated Loose Bottom

N^o 112
SADDLE BRACKET,
with Hooks for fixing on to Heel Post.
Diam. of Post.

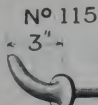
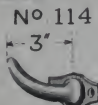


N^o 113
HOSE BRACKET.



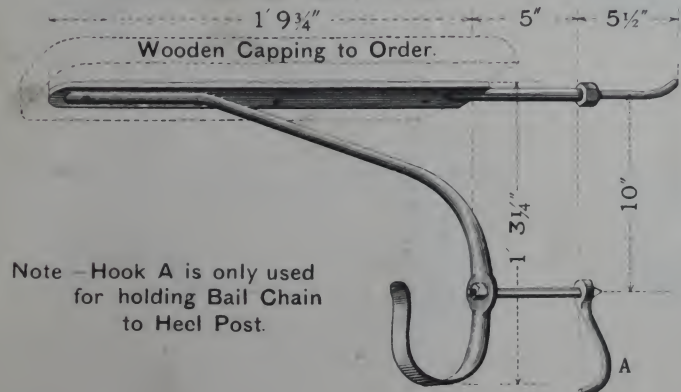
Sizes
Projn. Width. Depth.
6" x 5 1/2" x 6 3/4"
8" x 5 1/2" x 8"
10" x 5 1/2" x 10"
12" x 5 1/2" x 12"

GIRTH OR HARNESS HOOKS.

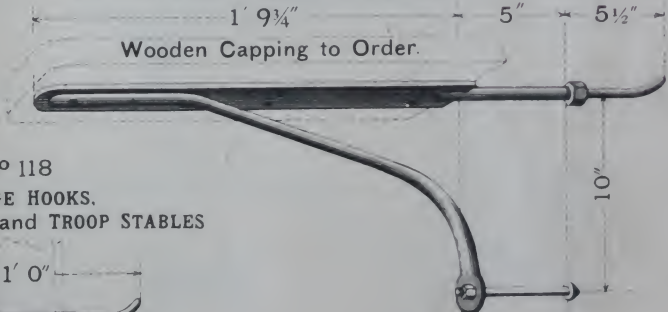


with Screw Shank.

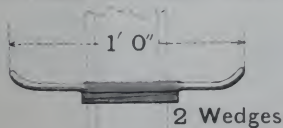
N^o 116
SADDLE BRACKET, with Hooks
for Heel Post of TROOP STABLE.



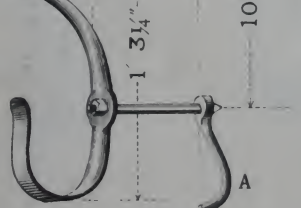
N^o 117
SADDLE BRACKET, with Hook
for Heel Post of OFFICERS' STABLE.



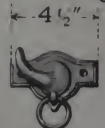
N^o 118
WEDGE HOOKS.
for OFFICERS' and TROOP STABLES



Note - Hook A is only used
for holding Bail Chain
to Heel Post.



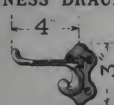
N^o 119
HARNESS HOOK,
with Ring.



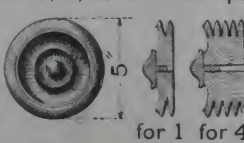
N^o 120
HARNESS HOOK



N^o 121
HARNESS BRACKET.



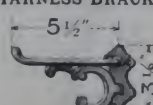
N^o 122
WHIP HOLDER.
Mahogany, or Pitch Pine,
for 1, 2, 3, or 4 Whips



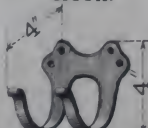
N^o 123
WHIP HOLDER.
Mahogany, or Pitch Pine,
with Brass Horse Shoe.
for 1, 2, or 3 Whips,



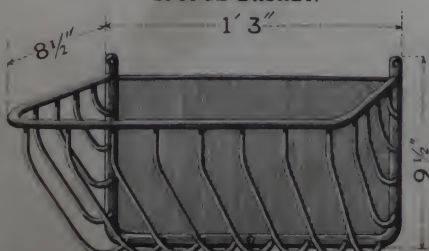
N^o 124
HARNESS BRACKET.



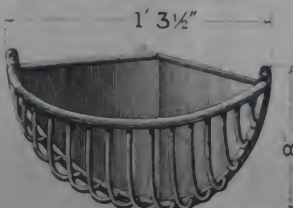
N^o 125
DOUBLE BRIDLE
HOOK.



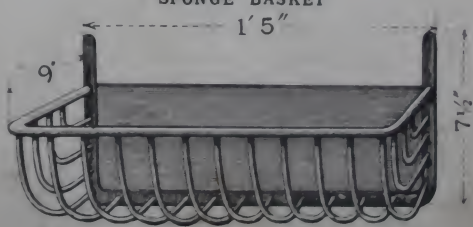
N^o 126
SPONGE BASKET.



N^o 127
ANGLE SPONGE BASKET

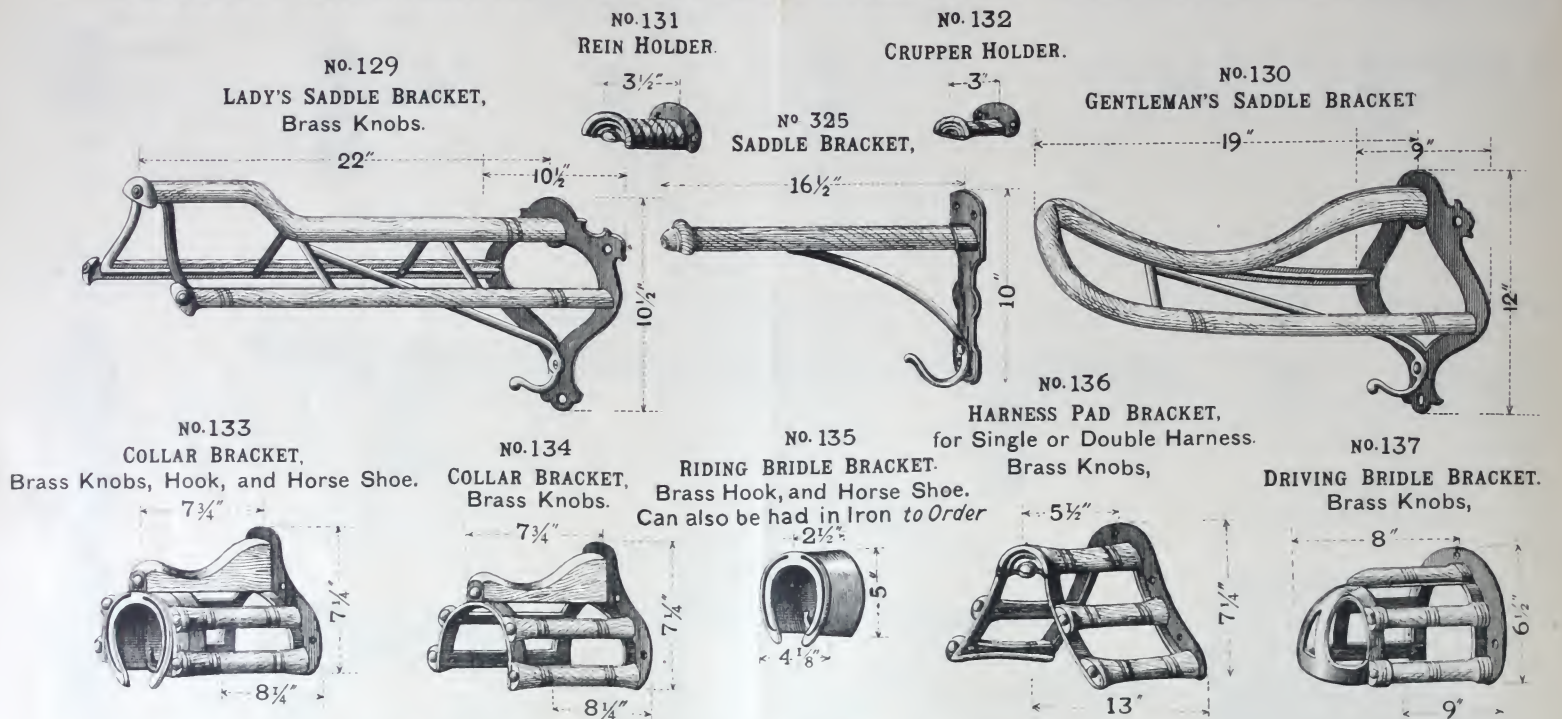


N^o 128
SPONGE BASKET

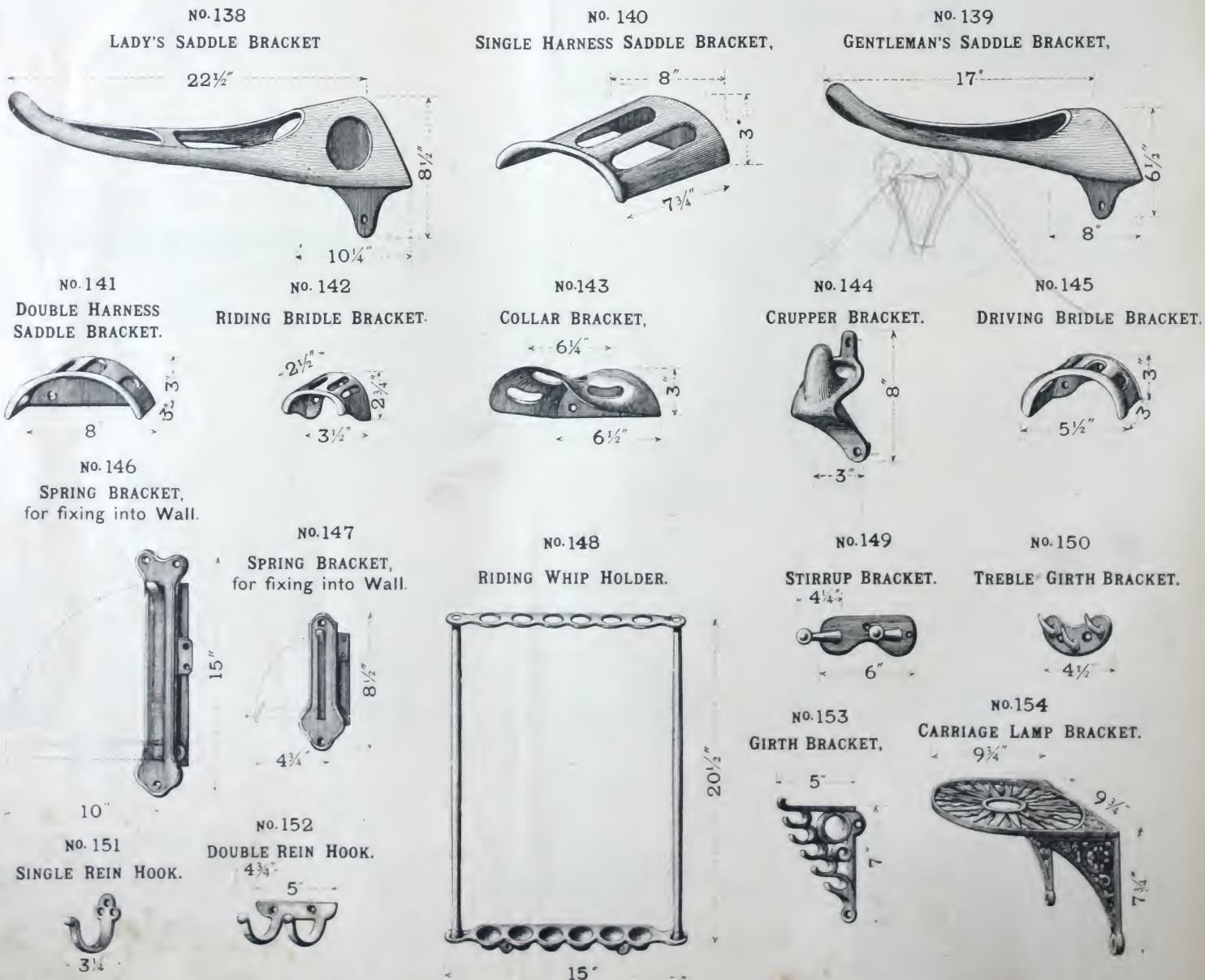


IMPROVED STABLE FITTINGS.

HARNESS BRACKETS, &c., WITH IRON FRAME WORK AND WOOD CAPPINGS.



HARNESS BRACKETS, &c.,

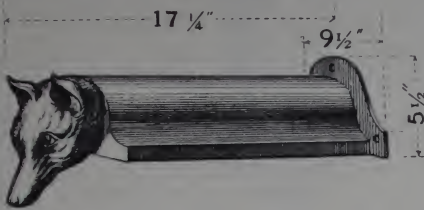


IMPROVED STABLE FITTINGS

HARNESS BRACKETS AND HOOKS.

2225

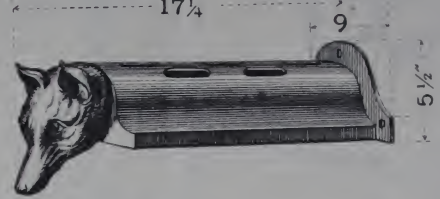
No. 155
DRAUGHT-HORSE HARNESS BRACKET,



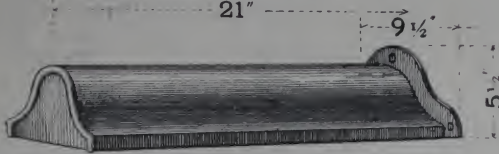
No. 159
HARNESS BRACKET, WITH HOOK.
12 1/2"



No. 156
DRAUGHT-HORSE HARNESS BRACKET



No. 157
DRAUGHT-HORSE HARNESS BRACKET



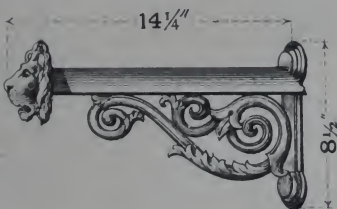
No. 160
HARNESS BRACKET
with Hook.



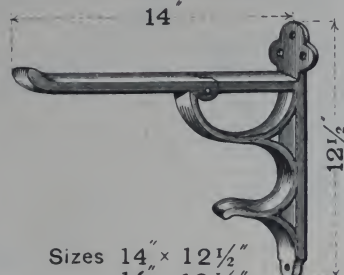
No. 158
DRAUGHT-HORSE HARNESS BRACKET,



No. 161
HARNESS BRACKET



162
HINGED SADDLE BRACKET
with Bridle Hook.

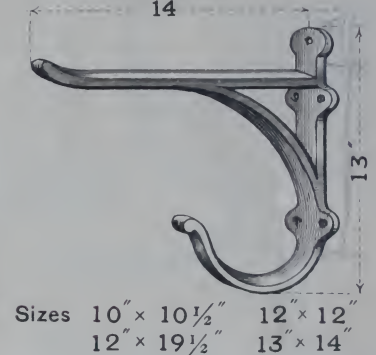


Sizes 14" x 12 1/2"
" 16" x 12 1/2"
" 18" x 12 1/2"

No. 163
HARNESS BRACKET
with Hook.

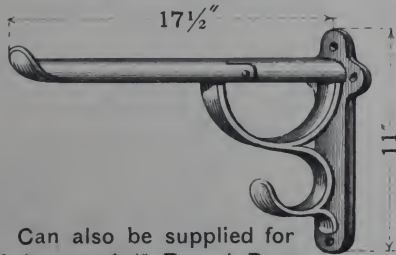


No. 164
HARNESS BRACKET,
with Hook.



Sizes 10" x 10 1/2" 12" x 12"
12" x 19 1/2" 13" x 14"

No. 165
HINGED SADDLE BRACKET,
with Bridle Hook.

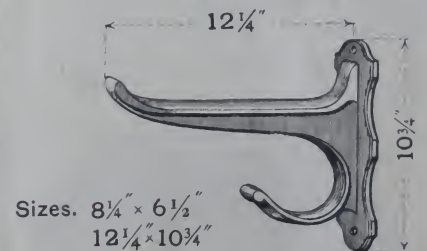


Can also be supplied for
fixing to 4 1/2" Round Post
to order

No. 166
SADDLE BRACKET



No. 167
HARNESS BRACKET
with Hook.

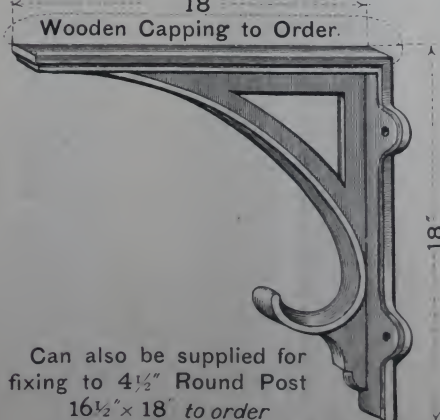


Sizes. 8 1/4" x 6 1/2"
12 1/4" x 10 3/4"

No. 168
SADDLE BRACKET
for 1 1/4" wrought tube.



No. 169
SADDLE BRACKET
with Bridle Hook.



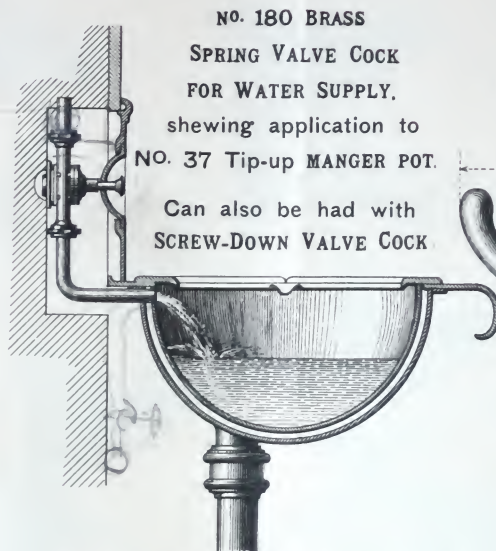
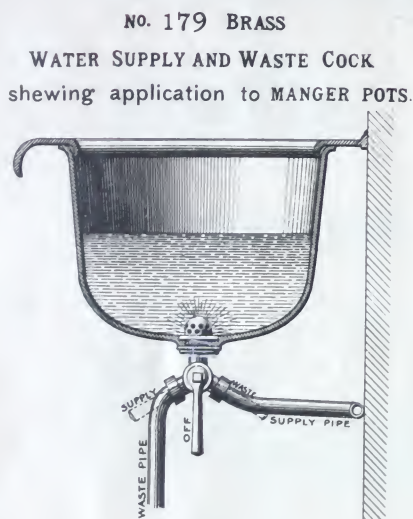
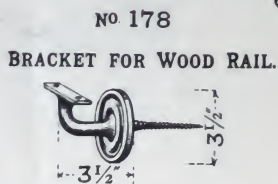
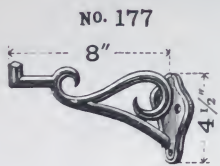
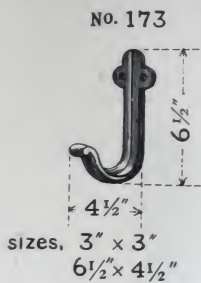
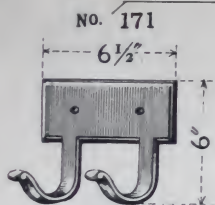
Can also be supplied for
fixing to 4 1/2" Round Post
16 1/2" x 18" to order

No. 170
SADDLE BRACKET
with Bridle Hook.

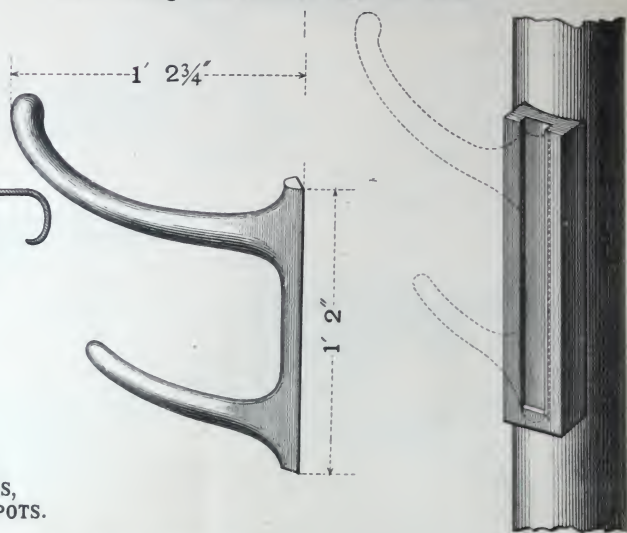


IMPROVED STABLE FITTINGS. HARNESS HOOKS AND WATER SUPPLY APPARATUS, &C.

HARNESS HOOKS.



No. 181
HARNESS BRACKET
For sliding into Groove cast on Post.



SPRING OR SCREW-DOWN VALVE COCKS,
can be applied to any of our MANGER POTS.

WALL NICHES FOR WATER SUPPLY.

Prepared for One or Two BRASS VALVE COCKS, with Names
HOT OR COLD. Cast on to Order.

No. 182
WITH IMPROVED LOWE'S TRAP.



No. 183
WITH TRAPPED GRATING.



BRASS CRANES, for 3/4 inch M. l. Pipe.



No. 184
SCREW-DOWN
NOSE CRANE,
FOR COLD WATER.



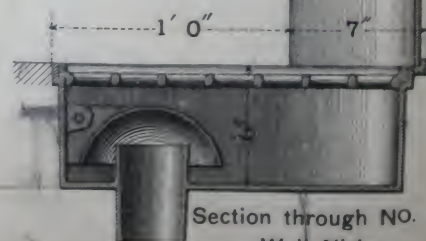
No. 185
SCREW-DOWN
NOSE CRANE,
FOR HOT WATER,
WITH ROUND
WOODEN HANDLE.



No. 186
NOSE CRANE,
WITH SCREWED
RUFF ON NOSE,
AND HORNED
RING AND TAIL FOR
HOSE PIPE,
ALSO KEY HANDLE.



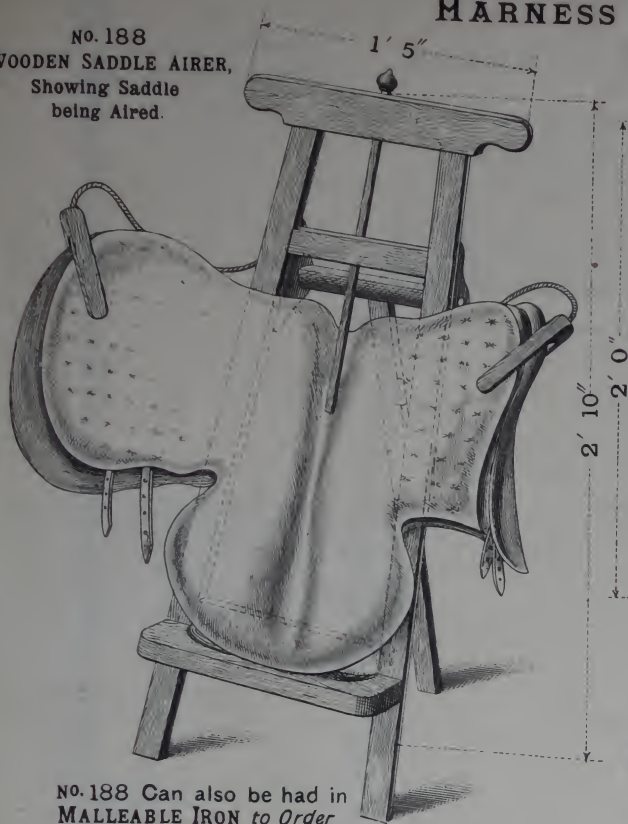
No. 187
NOSE CRANE,
WITH KEYHANDLE



Section through NO. 183
Wall Niche.

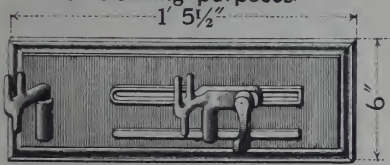
IMPROVED STABLE FITTINGS. HARNESS CLEANING APPARATUS

No. 188
WOODEN SADDLE AIRER,
Showing Saddle
being Aired.

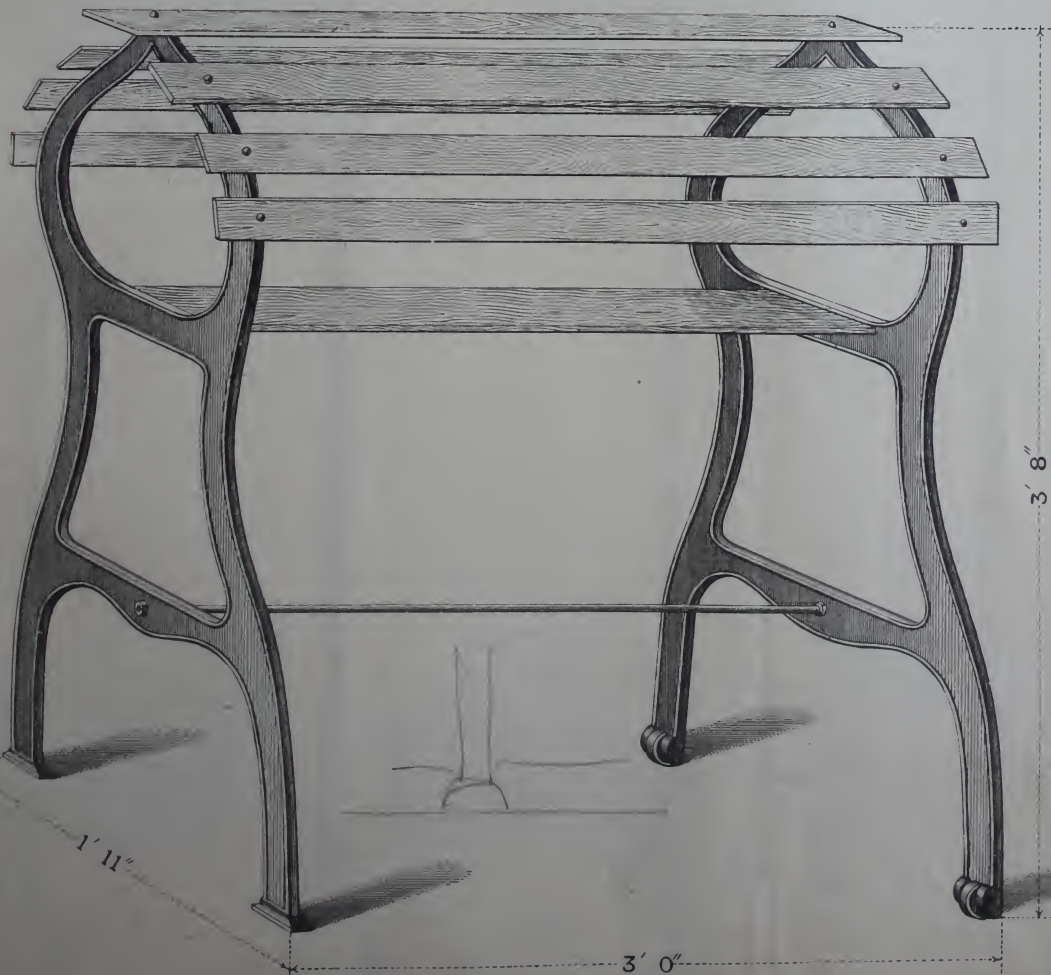


No. 188 Can also be had in
MALLEABLE IRON to Order

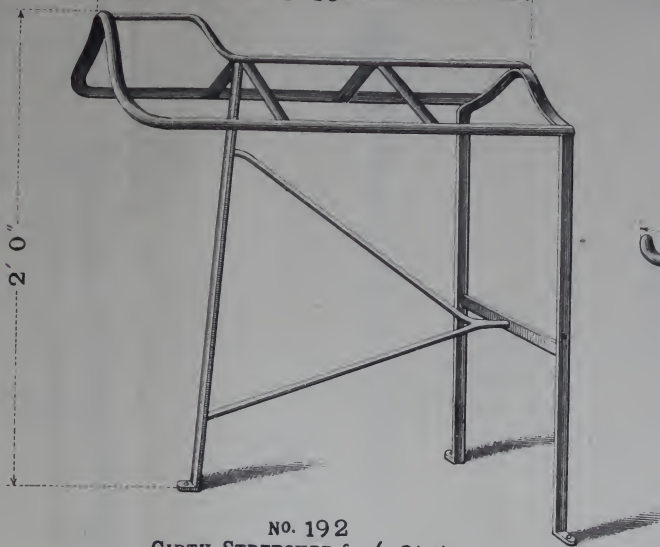
No. 191
BIT HOLDER,
for cleaning purposes.



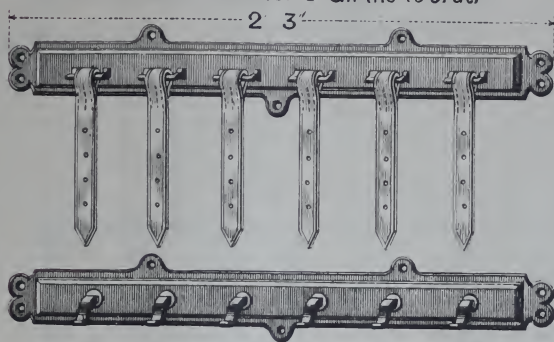
No. 193
HARNESS CLEANING HORSE
with Wooden Laths



No. 189
LADY'S SADDLE STAND.
1' 10"



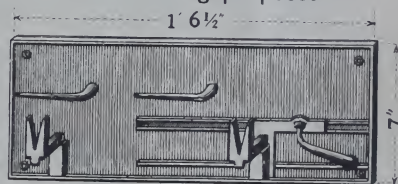
No. 192
GIRTH STRETCHER for 6 Girths
Can also be had for 4 Girths to Order



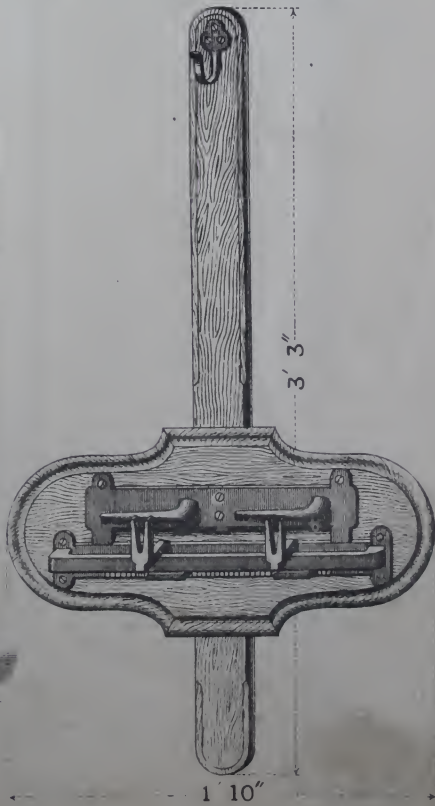
No. 190 2227
HARNESS CLEANING RACK
to fix on Wall.



No. 324
IMPROVED BIT AND STIRRUP HOLDER,
for cleaning purposes.



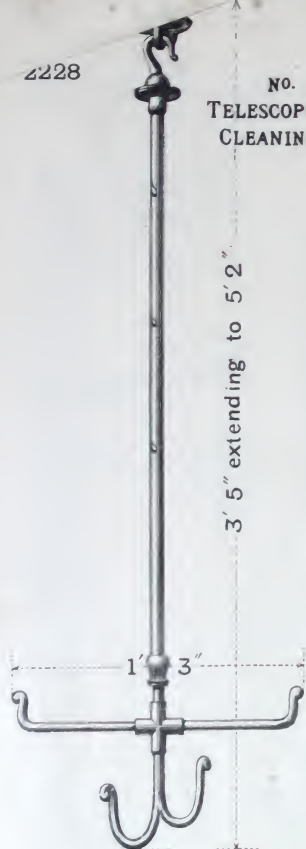
No. 194
IMPROVED BIT AND STIRRUP HOLDER,
for cleaning purposes.



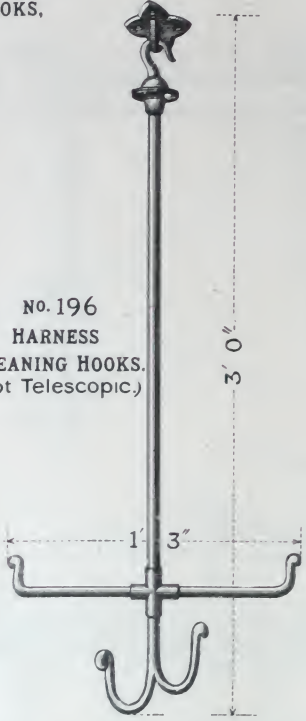
IMPROVED STABLE FITTINGS. HARNESS CLEANING APPARATUS.

4228

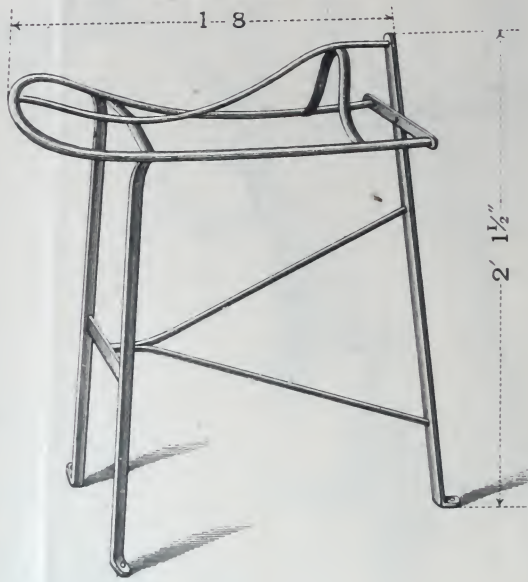
No. 195
TELESCOPE HARNESS
CLEANING HOOKS,



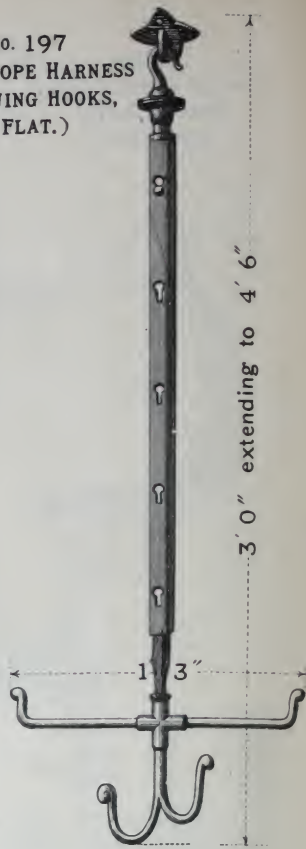
No. 196
HARNESS
CLEANING HOOKS.
(not Telescopic.)



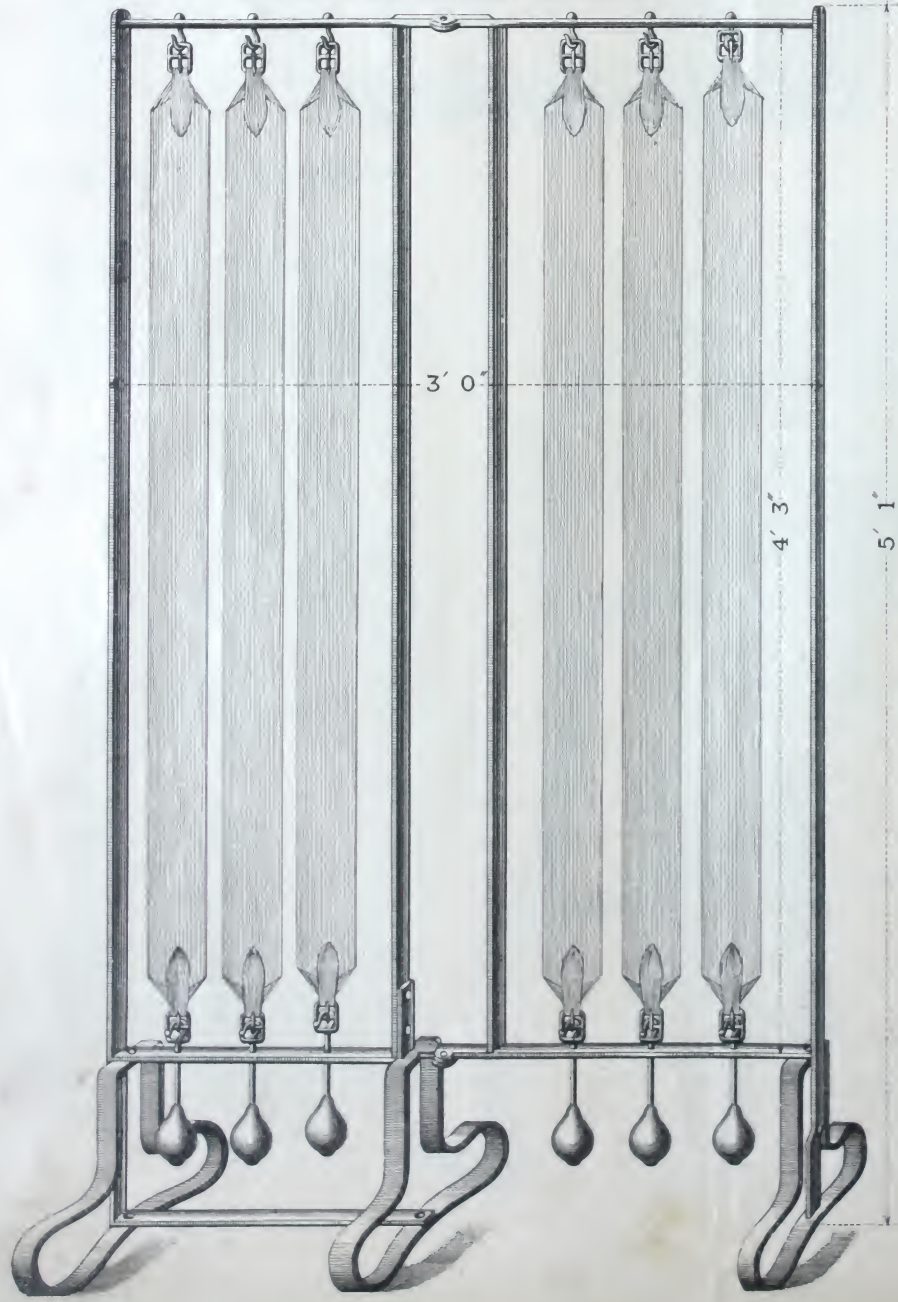
No. 198
GENTLEMAN'S SADDLE STAND.



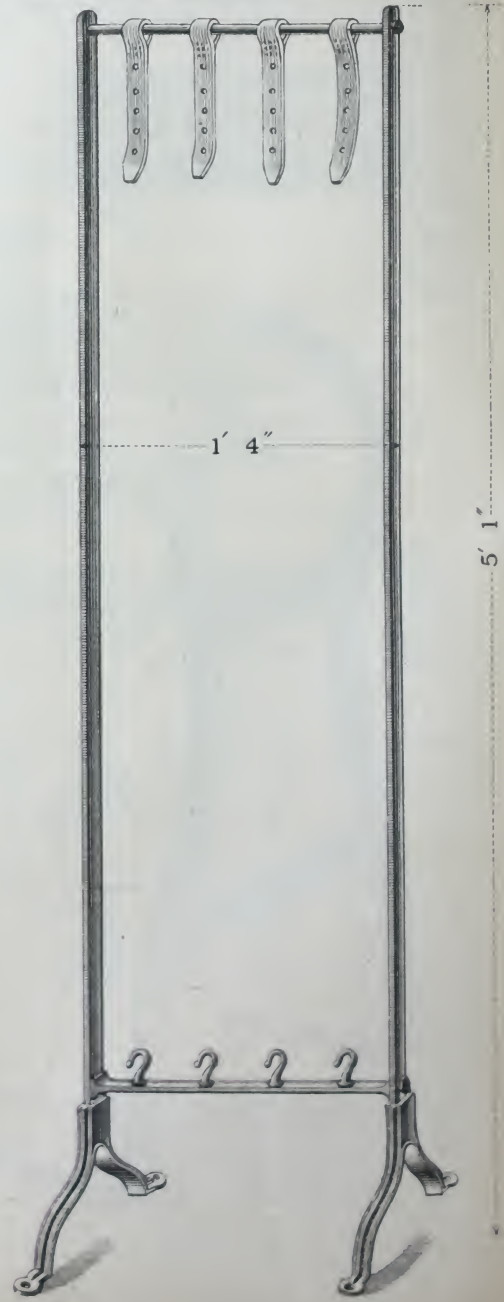
No. 197
TELESCOPE HARNESS
CLEANING HOOKS,
(FLAT.)



No. 199 GIRTH STRETCHER to hold 6.



No. 200 GIRTH STRETCHER, to hold 4.

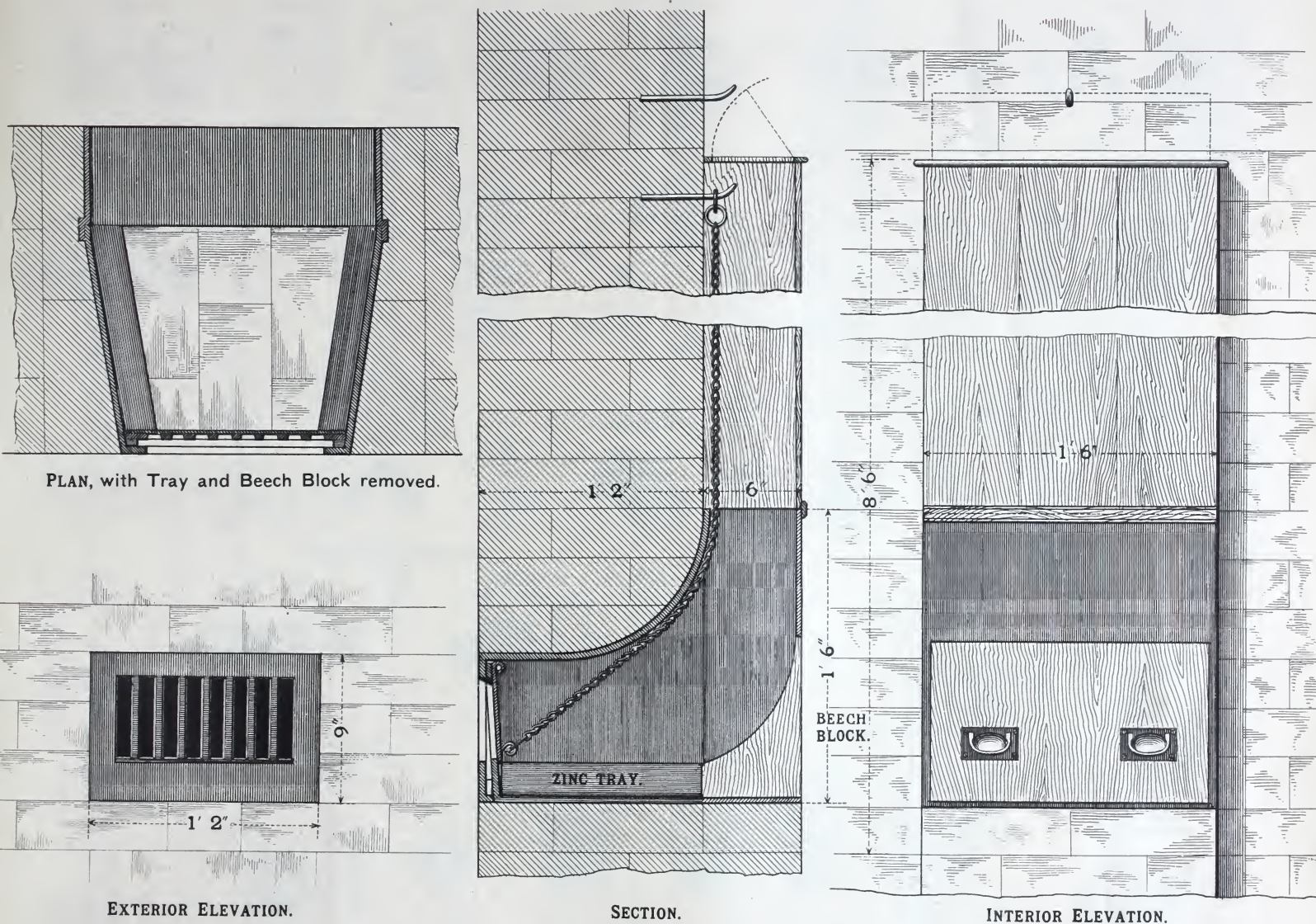


N^o. 316

FRESH-AIR INLET VENTILATOR,

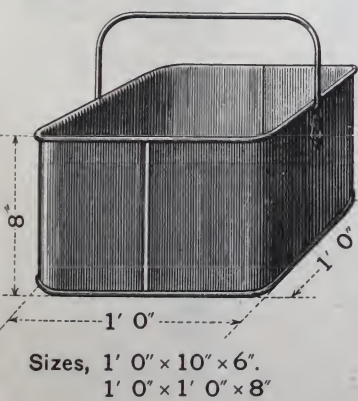
Designed by Mr. BARBER Surveyor to the Islington Vestry.

This Ventilator is specially adapted for Horse Infirmarys, or where it is desired to have a carefully regulated current of air coming in above Horses' Heads. The Zinc Tray is for holding Ice when it is necessary to keep the air cool.

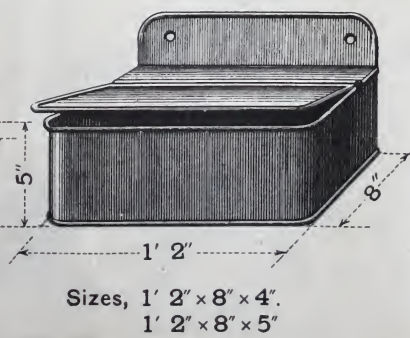


STABLE UTENSILS, (Galvanized.)

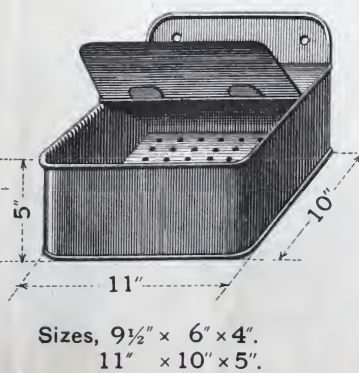
N^o. 317
BOX, FOR STOPPING MIXTURE.



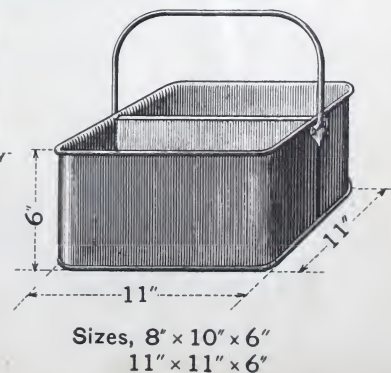
N^o. 318
BRUSH AND LEATHER BOX,
WITH COVER.



N^o. 319
SOAP BOX, WITH COVER
AND DOUBLE BOTTOM.



N^o. 320
SAND BOX,
2 COMPARTMENTS.

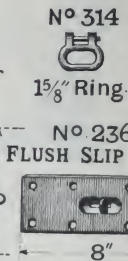
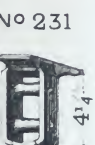
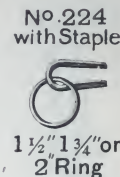
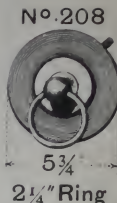


IMPROVED STABLE FITTINGS.

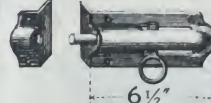
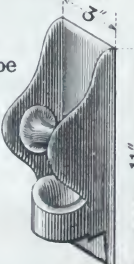
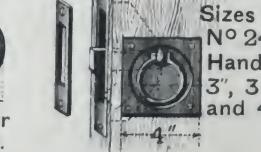
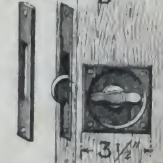
MANGER RINGS, BACK GUIDES, AND STABLE DOOR LATCHES, (BRASS OR IRON.)

Any combination of say BRASS RINGS with IRON PLATES can be supplied, to Order.

MANGER RINGS,

No. 237
BRASS STRAP ROLLER,
for Head of PostNo. 315
SPRING MORTICE LATCH,
WITH STRIKING PLATE & KEY
Roller on End of projecting
bolt.No. 239
FLUSH SLIP BOLT.To work one side only.
Sizes.
3 1/2" x 1 3/4" 9" x 2"
4 1/2" x 1 3/4" 12" x 2"
6" x 1 3/4"
No. 240
FLUSH SLIP BOLT.To work on each
side of Door.
4 1/2" x 1 3/4" 9" x 2"
6" x 1 3/4" 12" x 2"

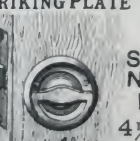
No. 321 BRASS EYELET

No. 241
BARREL BOLT.No. 242
FLUSH SPRING
BOLT.No. 238
BACK GUIDE
for Halter RopeFLUSH HANDLES.
No. 243 No. 244No. 245
SEMI-FLUSH
GRIP HANDLE.No. 246
FLUSH HANDLES.No. 247
FLUSH HANDLE WITH
No. 248 MORTICE LATCH.
AND STRIKING PLATE.
(Without Spring)No. 249
FLUSH HANDLE
WITH No. 250
MORTICE LOCK
for Sliding Door.No. 251
SEMI-FLUSH
HANDLE.

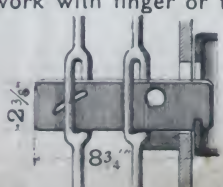
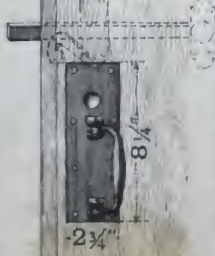
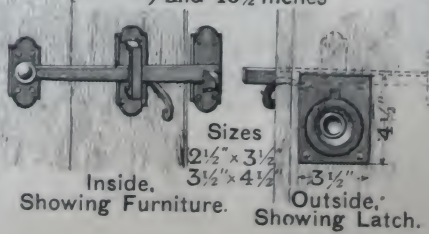
for 1 1/2" 1 3/4" or 2" Wood.

No. 252
FLUSH HANDLE,
with No. 253
MORTICE LATCH &
STRIKING PLATEfor 1 1/2" or 2" Wood.
Sizes of No. 253 Latch,
4 1/4" x 3 1/2"
5" x 5 1/2"No. 254
FLUSH HANDLE,
WITH No. 253
MORTICE LATCH &
STRIKING PLATESizes of
No. 254
FLUSH HANDLE
3 1/2" 4" 5"
and 6" diaNo. 255
SEMI-FLUSH
HANDLE,
WITH No. 256
MORTICE LATCH &
STRIKING PLATE

for 1 1/2", 1 3/4", or 2" Wood.

No. 257
SEMI-FLUSH
HANDLE,
WITH No. 256
MORTICE LATCH &
STRIKING PLATESizes of
No. 259
Latch,
4 1/4" x 2 1/2"
5" x 3"No. 258
SHIELD
WITH No. 259
MORTICE LATCH &
STRIKING PLATEDoor Open
Inside,
for 1 3/4", or 2" Wood.No. 260
FLUSH HANDLE
WITH No. 259
MORTICE LATCH &
STRIKING PLATEDoor Closed
Outside,
for 1 3/4", or 2" Wood.No. 261
SHIELD

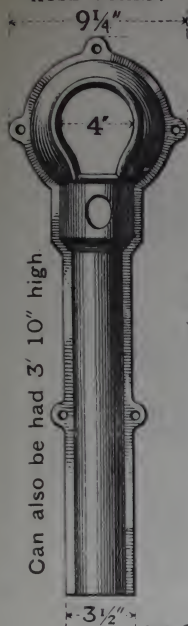
for 1 1/2" Wood

No. 262
LATCH.FOR SLIDING DOOR,
to work with finger or thumbNo. 263
PLAIN LATCH.No. 264
THUMB LATCH.
WITH FURNITURE. 10 1/2 InchesNo. 265
FLUSH RING THUMB LATCH.
WITH FURNITURE.
9 and 10 1/2 InchesNo. 266
S. HANDLE.
WITH FURNITURE. 6. 7. 9. 11
and 12 Inches.

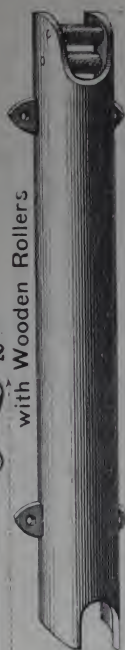
IMPROVED STABLE FITTINGS.

2231

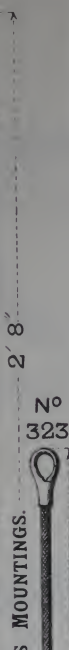
N^o 267
HOSE GUARD.



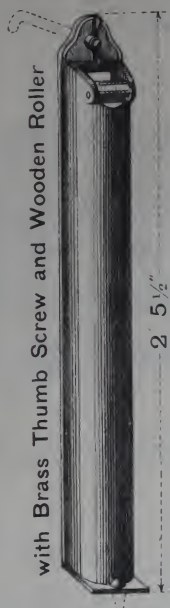
N^o 268



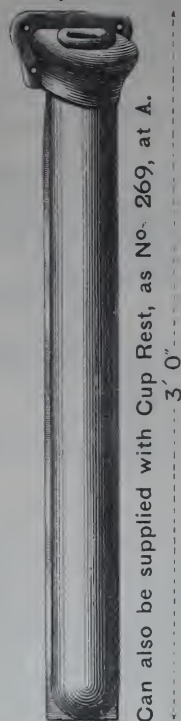
N^o 269 (Right or Left)



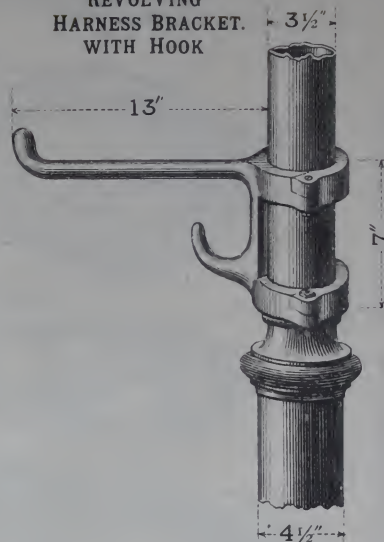
N^o 270



N^o 271
With Stoneware
Eyelet.

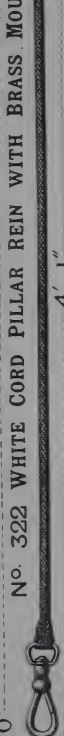


N^o 272
REVOLVING
HARNESS BRACKET.
WITH HOOK



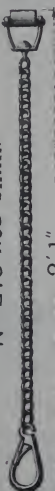
N^o 274

WHITE CORD PILLAR REIN WITH BRASS MOUNTINGS.



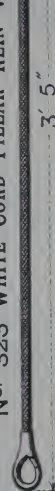
N^o 276

N^o 276 NOB CHAIN



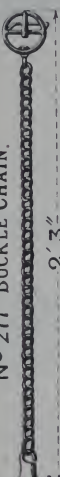
N^o 323

WHITE CORD PILLAR REIN WITH BRASS MOUNTINGS.

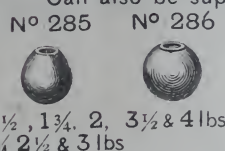


N^o 277

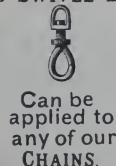
N^o 277 BUCKLE CHAIN.



Can also be supplied without INDIA RUBBER OR LEATHER MOUNTINGS.



N^o 278
HOOK, WITH SCREW
AND SWIVEL LOOP

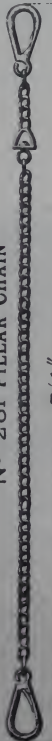


N^o 284



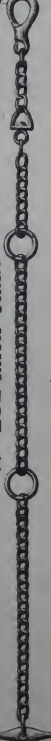
N^o 281

N^o 281 PILLAR CHAIN



N^o 282

N^o 282 RACK CHAIN



N^o 283

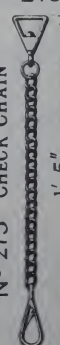
N^o 283 RACK CHAIN



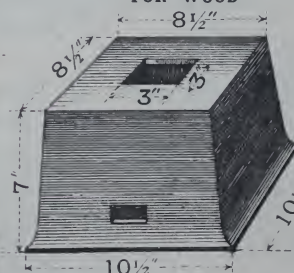
N^o 284 RACK CHAIN.

N^o 275

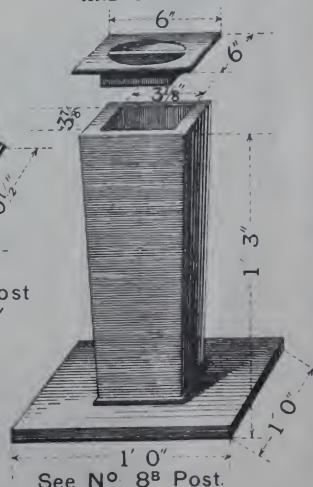
N^o 275 CHECK CHAIN



N^o 292
STABLE POST SOCKET,
FOR WOOD



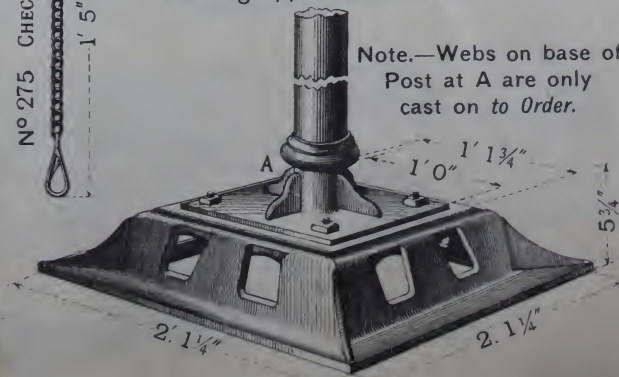
N^o 293
STABLE POST SOCKET,
AND COVER.



Sizes.
6" x 6" x 6 1/2"
8 1/2" x 8 1/2" x 7"

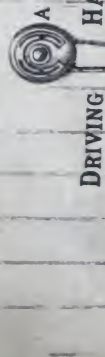
Hole for Post
1 1/2" x 1 1/2"
3" x 3"

N^o 294
SELF-FIXING BASE,
showing application to POST



STABLE CHAINS, can be had JAPANNED, TINNED, GALVANIZED, POLISHED BRASS, NICKEL PLATED, or SOLID NICKEL, as may be required.
HOOKS AND RINGS, &c., MAY BE HAD IN DIFFERENT METAL FROM CHAIN.
LENGTH OF CHAINS VARIED, TO ORDER

IMPROVED STABLE FITTINGS. · EXAMPLES SHOWING SUGGESTIVE ARRANGEMENTS OF HARNESS BRACKETS

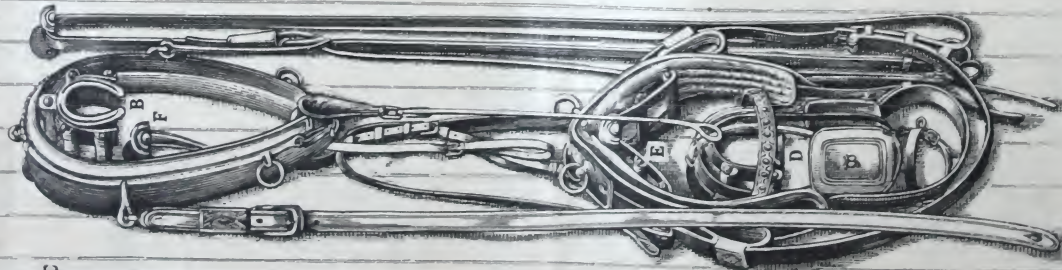
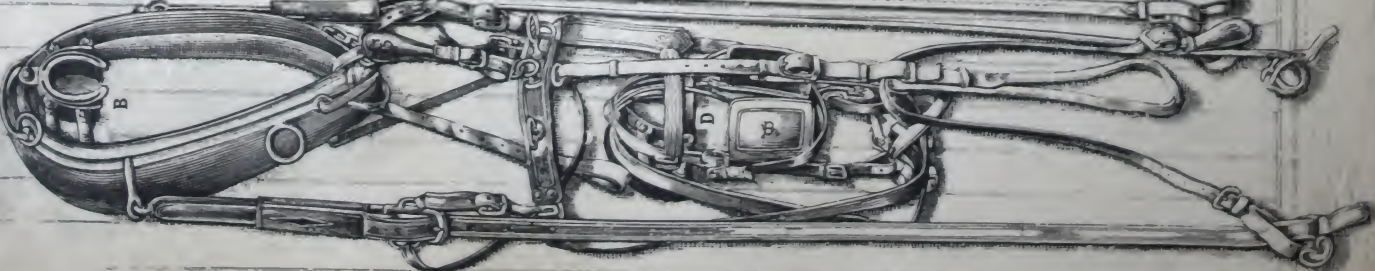


HARNESS.

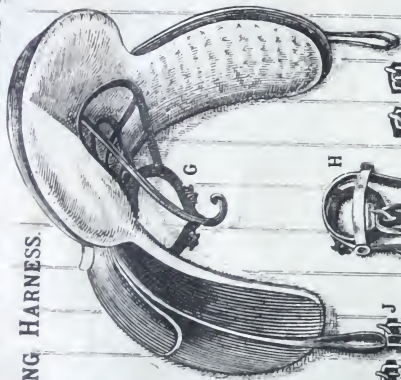
DRIVING

Double.
(Half-Set.)

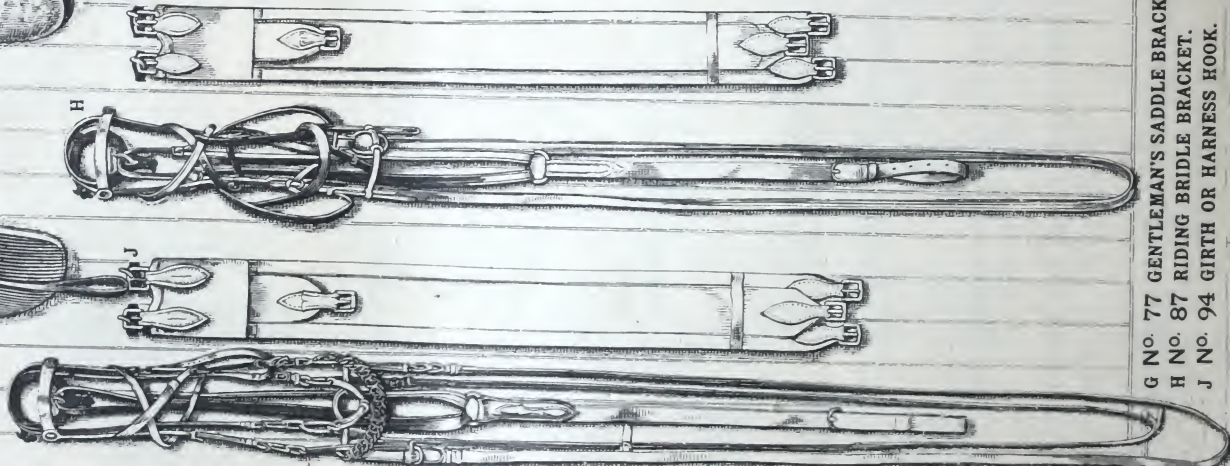
Single.



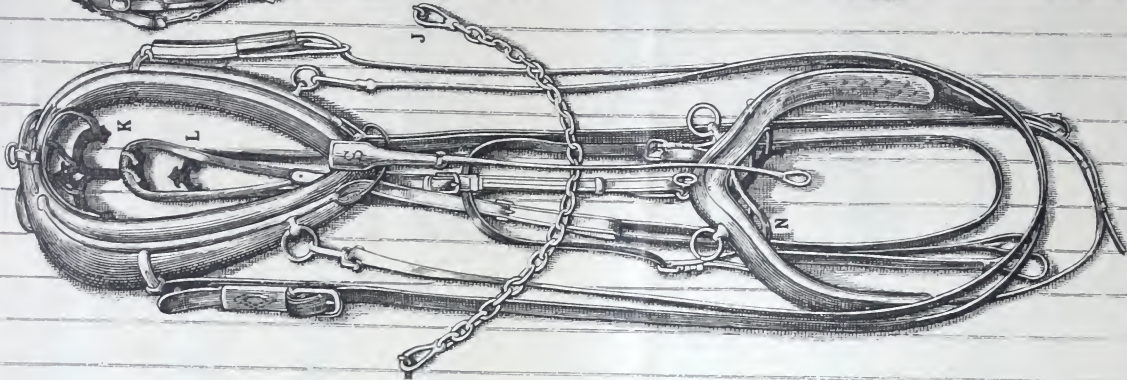
- A No. 123 WHIP HOLDER, with Brass Horse Shoe.
- B No. 133 COLLAR BRACKET, Brass Knobs.
- C No. 131 REIN HOLDER.
- D No. 137 DRIVING BRIDLE BRACKET, with Brass Knobs.
- E No. 136 HARNESS PAD BRACKET, for Double or Single Harness, with Brass Knobs.
- F No. 132 CRUPPER HOLDER.



RIDING HARNESS.



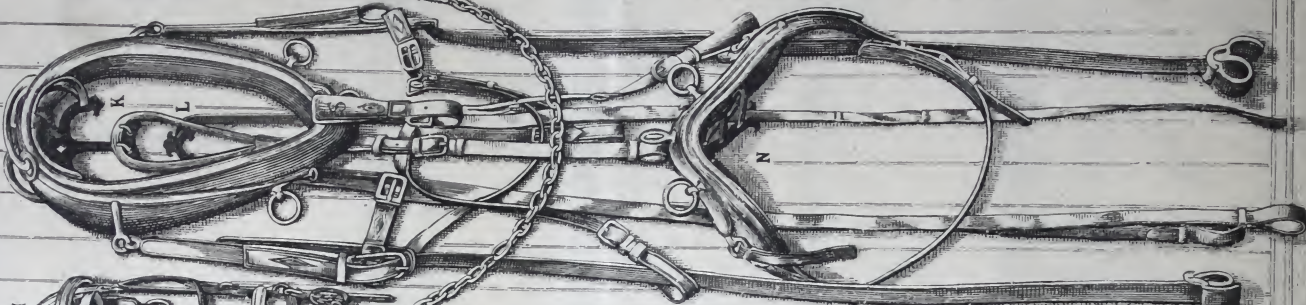
- G No. 77 GENTLEMAN'S SADDLE BRACKET.
- H No. 87 RIDING BRIDLE BRACKET.
- J No. 94 GIRTH OR HARNESS HOOK.



Single.

Double.
(Half-Set.)

DRIVING HARNESS.



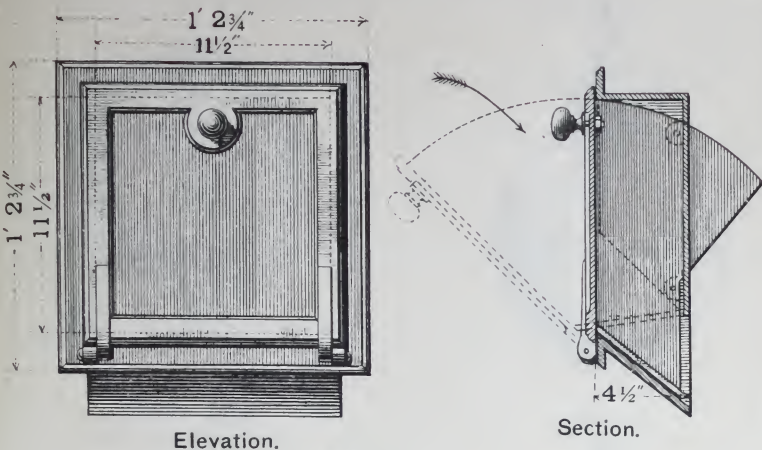
- K No. 79 COLLAR, MARTINGALE AND CRUPPER BRACKET.
- L No. 95 REIN HOLDER.
- M No. 90 DRIVING BRIDLE BRACKET.
- N No. 85 HARNESS SADDLE BRACKET.

IMPROVED STABLE FITTINGS.

For other kinds of DUST BINS, URINALS, &c., see our Catalogue of PLUMBING and SANITARY CASTINGS, SECTION III

2235

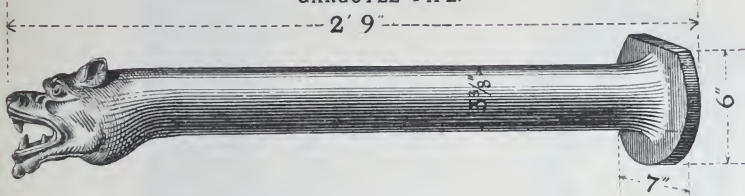
N^o 101
COAL OR DUST SHOOT.



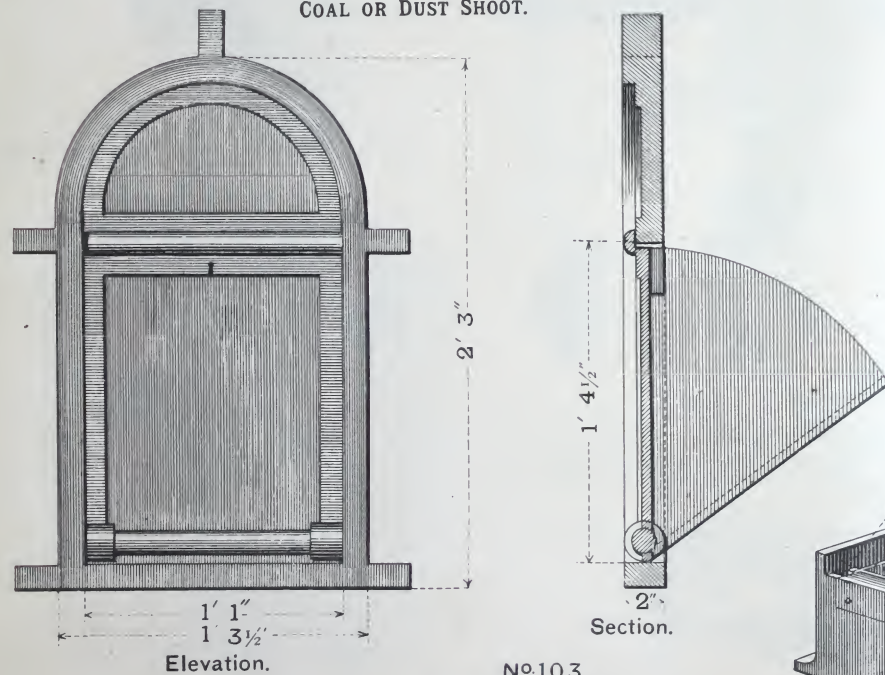
Elevation.

Section.

N^o 105
GARGOYLE PIPE.



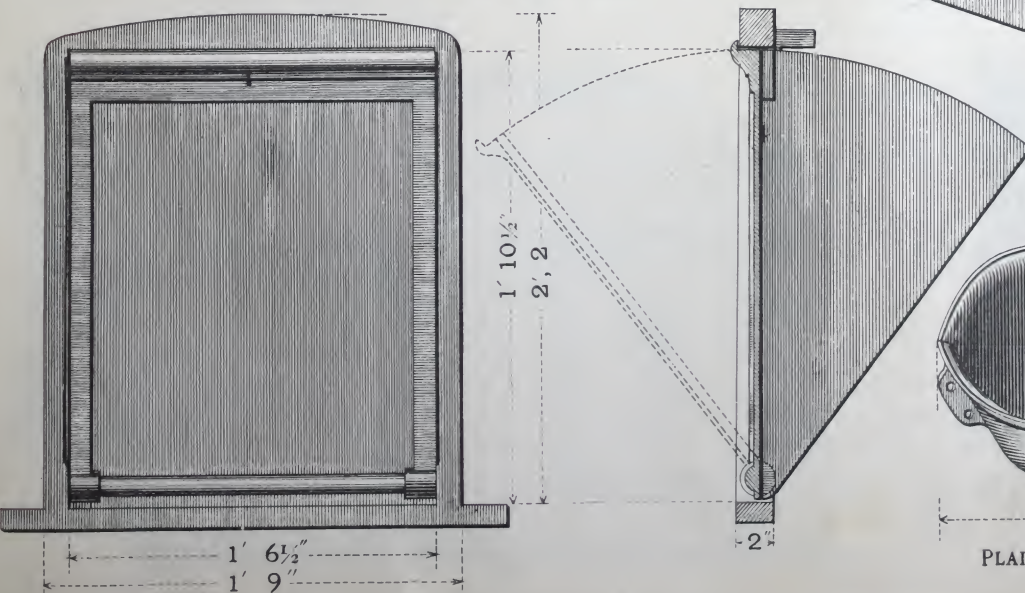
N^o 102
COAL OR DUST SHOOT.



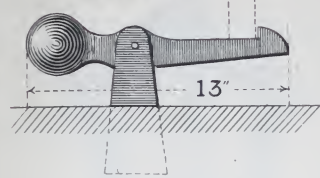
Elevation.

Section.

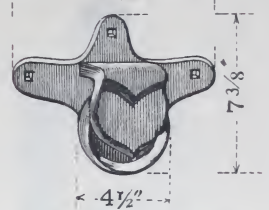
N^o 103
COAL OR DUST SHOOT.



N^o 3
GATE STOP.

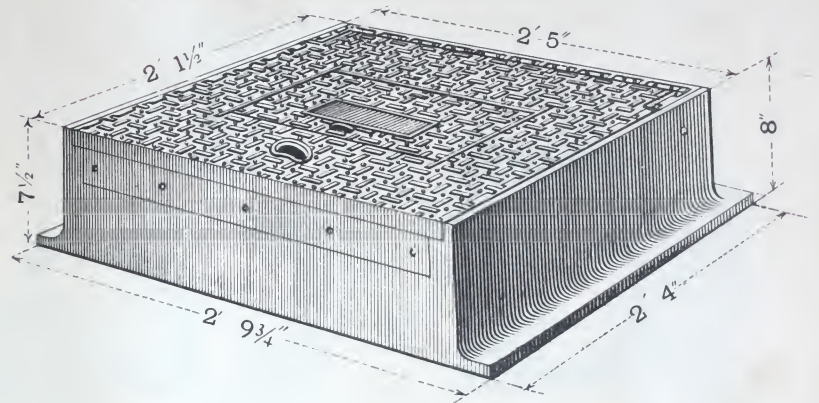


N^o 4
GATE ROLLERS OR
PULLEYS AND SHEARS.

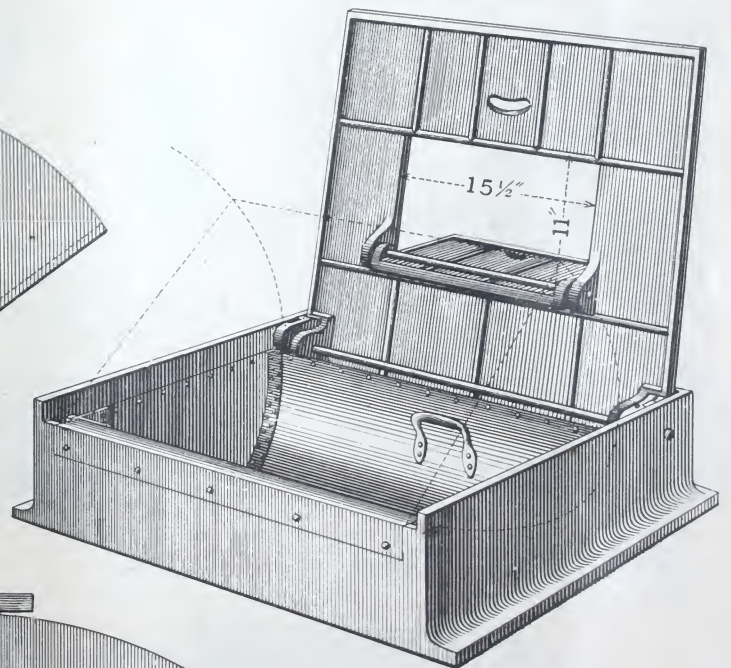


Diameter of Pulleys,
3, 3 1/2, 4, 4 1/2, 5, 6, 7, and 8 inches.

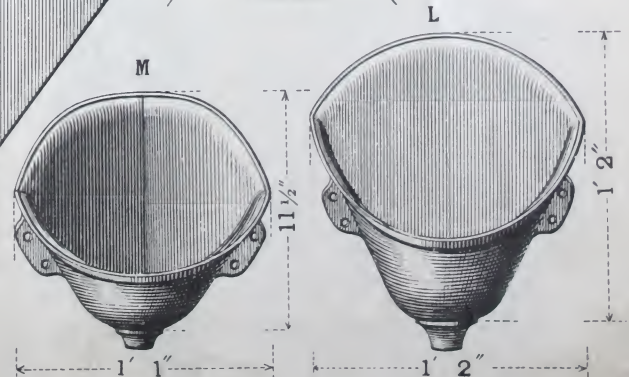
N^o 104
STREET DUST BIN, (Shown Closed),
with Galvanized Sheet Iron Receiver.



N^o 104
STREET DUST BIN, (Shown Open)
with Galvanized Sheet Iron Receiver.



URINALS.



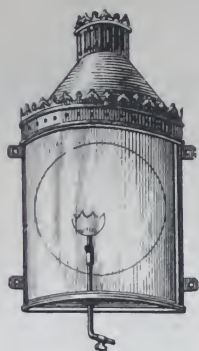
PLAIN PAINTED, GALVANIZED, OR ENAMELLED.

IMPROVED STABLE FITTINGS.

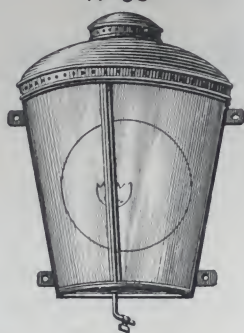
2236

For other kinds of WASH HAND BASINS, see our Catalogue of PLUMBING AND SANITARY CASTINGS, SECTION III.; and other designs of LANTERNS AND FOUNTAINS, see our Catalogue of ORAMENTAL AND CONSTRUCTIONAL WORK, SECTION IV.

N^o 65



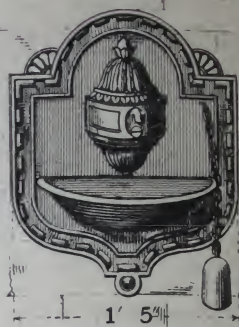
LANTERNS,
Gasfittings, &c., Charged Extra.
N^o 66



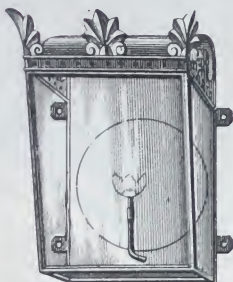
N^o 39



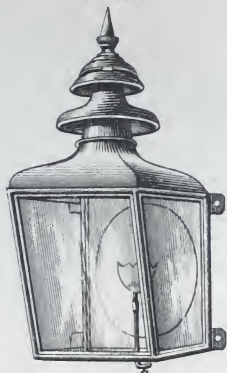
N^o 3 WALL FOUNTAIN.



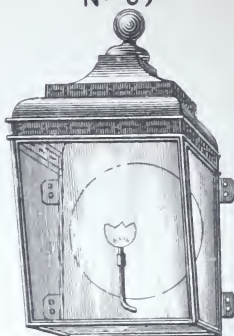
N^o 67



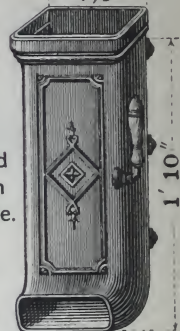
N^o 68



N^o 69



N^o 311
CORN METER,
with Lock and Key.
7 1/2"

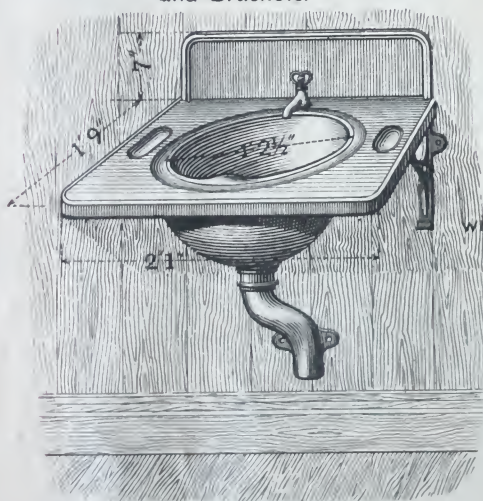


NOTE.

Only one feed
can be drawn
off at one time.

N^o 16

TIP-UP WASH HAND BASIN,
with Spring Valve Cock, Swanneck,
and Brackets.



HAND LANTERNS.

N^o 70



N^o 71



N^o 72



with Cruse for Oil and
Socket for Candle.

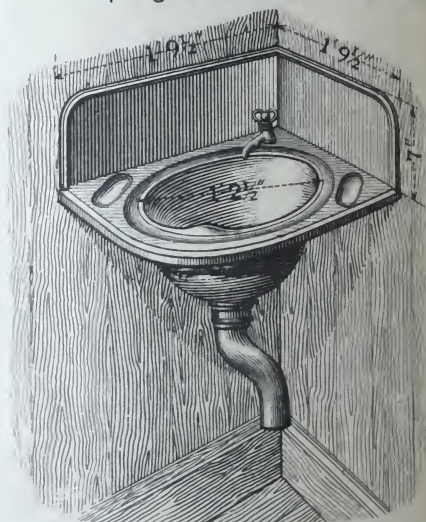
N^o 21

WASH HAND BASIN,
with Brass Plug and Discharge Coupling,
supported on Brackets.



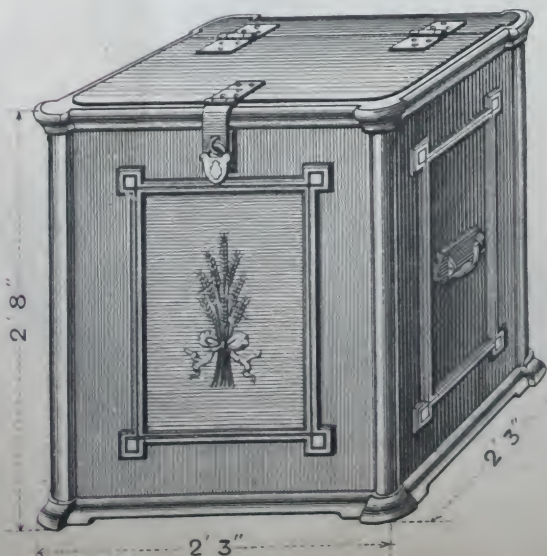
N^o 22

TIP-UP WASH HAND BASIN,
with Spring Valve Cock and Swanneck



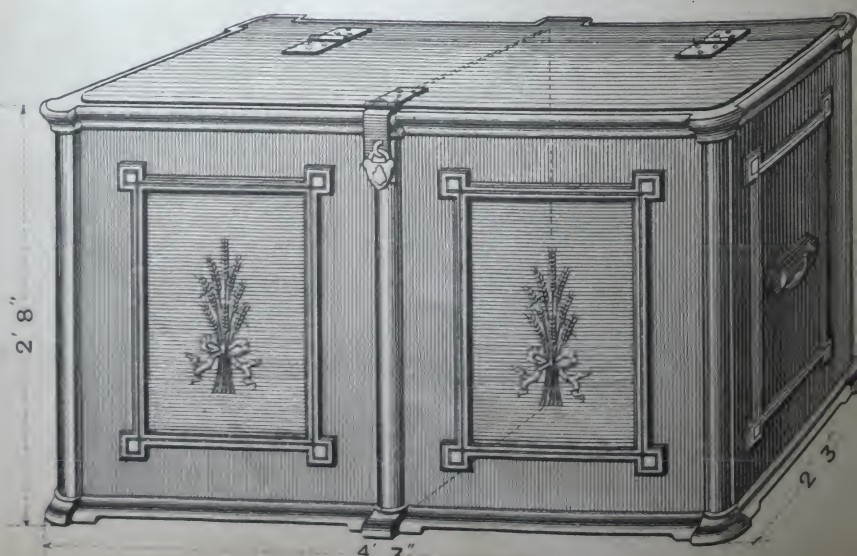
N^o 312

CORN CHEST. Single.



N^o 313

CORN CHEST. Double.
With Division in Centre.



IMPROVED STABLE FITTINGS.

VENTILATORS.

REVOLVING ARCHIMEDEAN SCREW VENTILATOR AND SMOKE CONDUCTOR,

For Ventilating all kinds of Buildings, and Curing Smoky Chimneys.

THE ARCHIMEDEAN SCREW VENTILATOR is constructed on strictly scientific principles, and is certain in its operations in purifying the air of a crowded workshop or ordinary apartment, and in preventing down draughts and smells in chimneys.

The principle of this Ventilator consists of a lifting vane or screw, suspended within a circular tube or shaft, centred upon an imperishable substance, moving without noise, and surmounted by a perpendicular wind-vane, which is hung so delicately that the least breath of air will cause it to rotate, so that a draught upwards is a necessary effect.

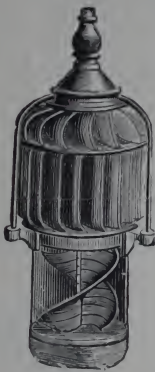
The working arrangements are so sensitive that the least wind will cause the hood of the Ventilator to revolve, and it will keep in perfect working order for a period of from four to six years, without any attention whatever.

It should also be borne in mind that although wind-vanes are affixed, the screw works by the upward current of warm air, altogether independent of the breeze outside. When the wind is strong and down draughts are to be apprehended, the advantages of the rotary vane are at once perceptible, for not only does the smoke freely ascend, but an increased draught is given to the chimney, which effectually prevents contrary currents of air exercising any effect on the fire; and so certain is its action, that the room is kept free from smell of soot in the summer, which is itself a considerable advantage.

SIZES—No. 1.

6 inch Diameter.
8 " "
9 " "
10 " "
11 " "
12 " "
13 " "
14 " "
16 " "
18 " "
20 " "
22 " "
24 " "

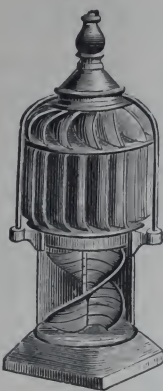
No. 1.



SIZES—No. 2.

6 inch Diameter.
8 " "
9 " "
10 " "
11 " "
12 " "
13 " "
14 " "
16 " "
18 " "
20 " "
22 " "
24 " "
26 " "
28 " "
30 " "
32 " "
34 " "
36 " "

No. 2.



SIZES—No. 3.

For Small Fireplaces.

9 inch Diameter, 3 ft. high.
10 " " 3 ft. high.
10 " " 3 ft. 6 in. high.
10 " " 4 ft. high.

For Bedroom Fireplaces.

11 inch Diameter, 3 ft. high.
11 " " 3 ft. 6 in. high.
11 " " 4 ft. high.

For Dining-room Fireplaces.

12 inch Diameter, 3 ft. high.
12 " " 3 ft. 6 in. high.
12 " " 4 ft. high.

For Kitchen Fireplaces.

14 inch Diameter, 3 ft. high.
14 " " 3 ft. 6 in. high.
14 " " 4 ft. high.

No. 3.



STEVENS' EXHAUST VENTILATOR.

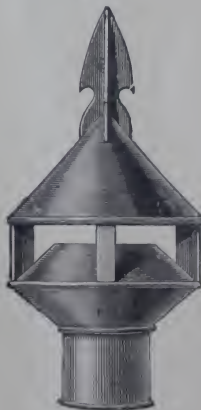
STEVENS' EXHAUST VENTILATOR, No. 1, is the most perfect apparatus for the efficient extraction of vitiated air from Churches, Factories, Private Dwellings, Hospitals, Ships, Billiard Rooms, Soil Pipes, Sewers. It is constructed upon sound scientific principles, that at whatever angle the wind strikes the cone it creates a partial vacuum in chamber and under hollow cap; thus securing a continuous powerful upward current and no down-blow. There is no mechanical movement to get out of order or create noise. They can be constructed to suit any kind of architecture. The power can be increased to any extent by making the vacuum chamber larger in proportion to shaft. It is equally efficient in a slight breeze as in a gale.

The advantage of fixed ventilators over revolving ones is now generally acknowledged, as the latter not only create noise and require attention, but are not satisfactory in slight breezes, for then there is not wind enough to cause sufficient revolutions to produce an up-current. That being the case the blades only serve to collect the wind and cause down-blow.

SIZES—No. 1.

2 inch Shaft, 6 inch Cone.
3 " 8 "
4 " 10 "
6 " 13 "
8 " 17 "
10 " 20 "
12 " 24 "
15 " 27 "
18 " 30 "
21 " 34 "
24 " 40 "

No. 1.



GALVANIZED SQUARE CORN BINS,

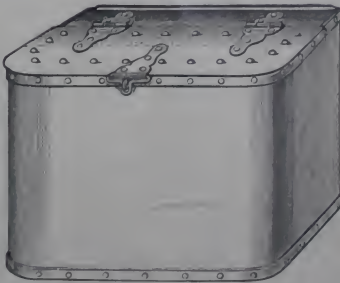
Light No. 1.



SIZES—Light No. 1 and Strong No. 2.

Bushels—	1	2	3	4	5	6	7	8	9	10	11	12
Length—	16½	18	18	18	25	27	31	36	36	39	40	42 inches.
Width—	11	14½	17	21	21	21	21	21	21	21	22	22 "
Depth—	15½	17	22	28	29	28	28	31	30	32	32	32 "

Strong No. 2.



Partitions can be had to order.

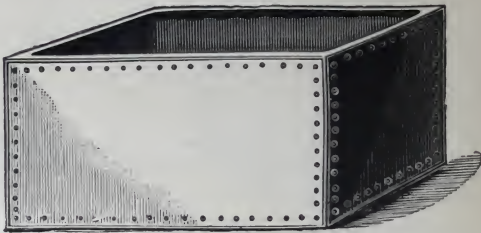
Can also be Supplied Round TO ORDER.

IMPROVED STABLE FITTINGS.

GALVANISED WROUGHT IRON RIVETTED CISTERNS
(Galvanized After Made).

Thoroughly tested before leaving Works. After delivery to Railway Companies, Carriers, or Wharfingers, we cannot undertake any responsibility. Special sizes made to order.

Gallons, about	Outside Dimensions.			Gallons, about	Outside Dimensions.		
	Length.	Width.	Depth.		Length.	Width.	Depth.
	ft. in.	ft. in.	ft. in.		ft. in.	ft. in.	ft. in.
20	1 9	1 3	1 6	150	3 6	2 6	2 9
25	2 0	1 4	1 6	175	3 9	2 8	2 10
30	2 0	1 6	1 7	200	4 0	2 8	3 0
40	2 4	1 7	1 9	250	4 1	3 3	3 0
50	2 6	1 7	2 0	300	4 7	3 6	3 0
60	2 8	1 10	2 0	350	5 0	3 9	3 0
70	2 8	2 0	2 2	400	5 0	4 0	3 3
80	3 0	2 0	2 2	500	5 6	4 5	3 4
100	3 0	2 2	2 6	600	6 0	5 0	3 4
100	4 0	2 0	2 0	800	6 8	5 0	4 0
125	3 4	2 7	2 4	1000	8 0	5 2	4 0

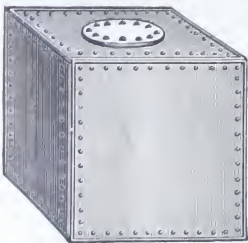


SIZES—From 20 to 50 Gallons 18 W.G.,
from 20 to 300 Gallons in 16 W.G.,
from 20 to 300 Gallons in 14 W.G.,
and from 20 to 1,000 in $\frac{1}{8}$ th Plate.

Can be fitted with Loose Cover, if required, at small extra charge; also with Partition. Cisterns made to any size, shape, and strength.

GALVANIZED WROUGHT IRON RIVETTED HOT WATER TANK,

Fitted with Bolted Manhole and Cover. Galvanized after made. Tested and guaranteed sound. Sizes from 20 to 60 Gallons in 14 W.G. and from 20 to 100 Gallons in $\frac{1}{8}$ Plate. Special sizes made to order.



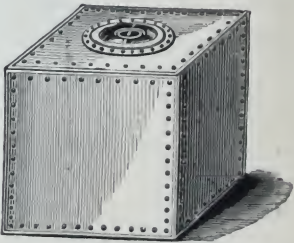
Outside Dimensions.	Gallons, about—20	25	30	40	50	60	70	80	90	100
	Length—1 ft. 6 in.	2 ft. 0 in.	2 ft. 0 in.	2 ft. 2 in.	2 ft. 6 in.	2 ft. 6 in.	2 ft. 8 in.	3 ft. 0 in.	3 ft. 0 in.	3 ft. 0 in.
	Width—1 „ 6 „	1 „ 4 „	1 „ 6 „	1 „ 6 „	1 „ 8 „	2 „ 0 „	2 „ 0 „	2 „ 0 „	2 „ 3 „	2 „ 4 „
	Depth—1 „ 6 „	1 „ 6 „	1 „ 8 „	2 „ 0 „	2 „ 0 „	2 „ 0 „	2 „ 2 „	2 „ 2 „	2 „ 2 „	2 „ 4 „

India Rubber Rings, also Screwed Flanges or Boss Plates Charged Extra.

PAINTED TANKS,

Fitted with 14 in. Cast Manhole Covers. These are generally used for Packing Goods, Seeds, etc., for Export, and on arrival at destination used for Storing Water. Can be fitted with Flange and Plug to take Tap.

400 Gallons—4 feet x 4 feet x 4 feet.
200 „ 3 feet 2 inches x 3 feet 2 inches x 3 feet 2 inches.

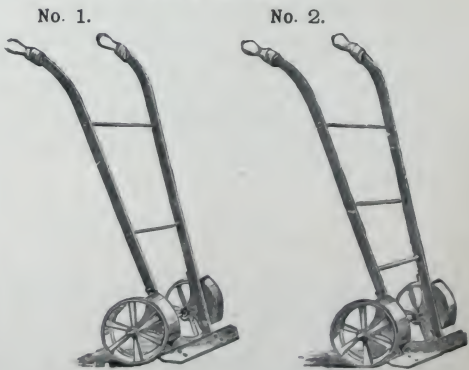


WROUGHT IRON WHEEL AND SACK BARROWS.
GARDEN BARROW.



GARDEN BARROWS.	Length at Top.	Length at Bottom.	Width of Top.	Width of Bottom at Back.	Depth at Back.	Depth at Front.
No. 0	23 inches.	13½ inches.	21 inches.	14 inches.	5 inches.	11 inches.
„ 1	28 „	17 „	23 „	17½ „	6 „	13½ „
„ 2	31½ „	17½ „	26 „	18 „	7 „	15 „
„ 3	36 „	19½ „	30 „	19½ „	8 „	16½ „
„ 4	38 „	21 „	32 „	19½ „	9 „	18 „

SACK BARROWS.



GALVANIZED BUCKETS.



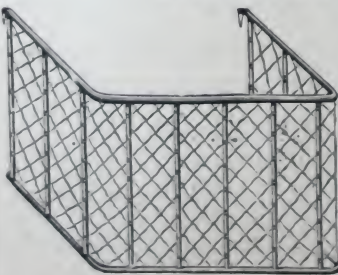
Strong Rivetted Sides, and Forged Ears.

Weight per doz., 12 in. about 65 lbs.

Extra deep.

Diameter—12, 13, and 14 inches.

GALVANISED MANURE GUARDS.



Made on Strong Wrought Iron Frames with Half-round Top Rails, $1\frac{1}{2}$ in. x $\frac{3}{4}$ in.; Bottom, $1\frac{1}{2}$ x $\frac{3}{4}$ in. flat; Uprights, $\frac{3}{4}$ in. round; filled in with $1\frac{1}{2}$ in. mesh Diamond Wire Work of No. 9 Gauge.

Length.	SIZES.	
	Depth, Front to Back.	Height.
4 feet 0 inches.	2 feet 6 inches.	2 feet 6 inches.
4 „ 6 „	3 „ 0 „	2 „ 6 „
5 „ 0 „	3 „ 0 „	2 „ 6 „
6 „ 0 „	3 „ 0 „	3 „ 0 „

IMPROVED STABLE FITTINGS.

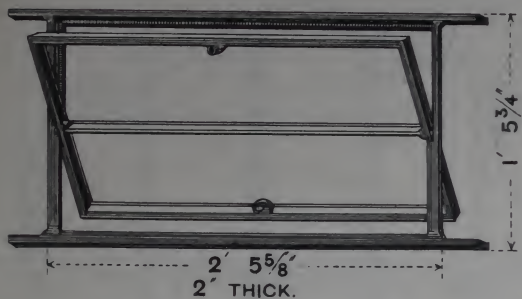
For other kinds of WINDOWS see our Catalogue of ORNAMENTAL CASTINGS AND CONSTRUCTIONAL WORK, SECTION IV.

CAST-IRON WINDOWS.

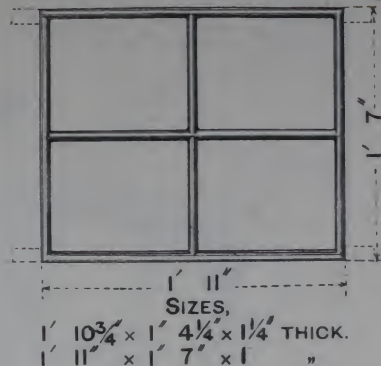
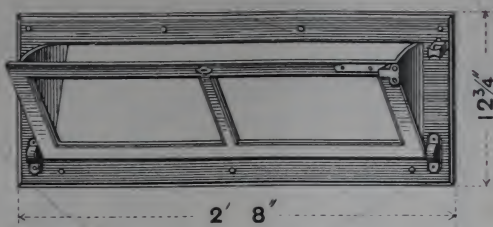
Nº 52

2241

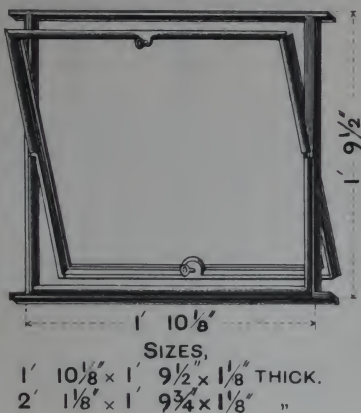
Nº 83



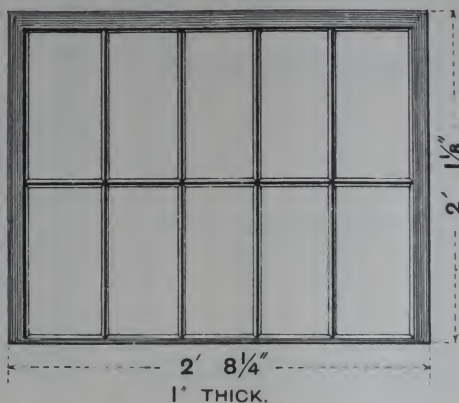
Nº 84



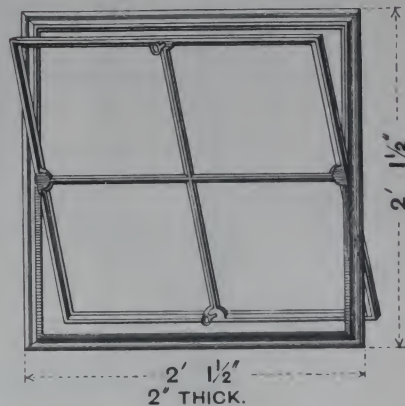
Nº 54



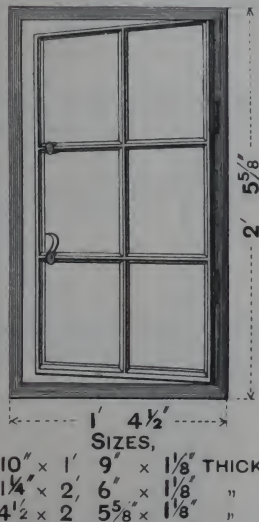
Nº 61



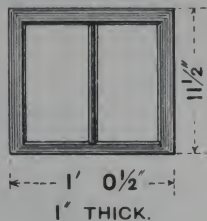
Nº 60



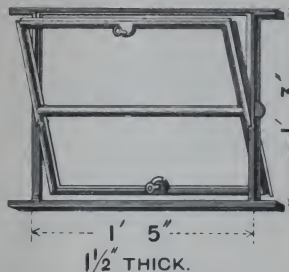
Nº 85



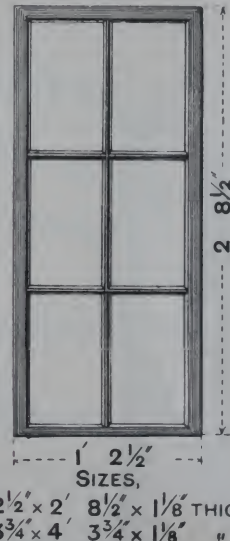
Nº 53



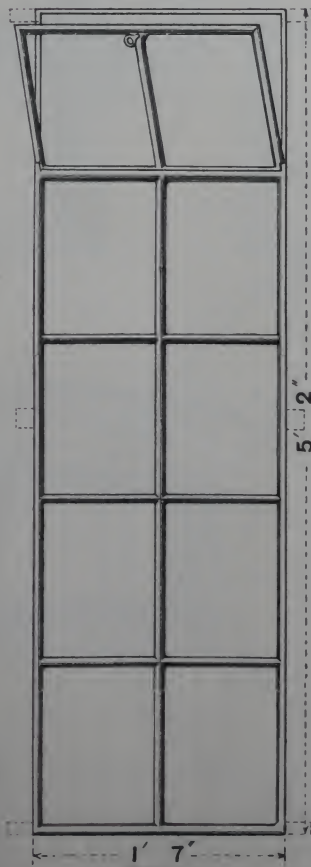
Nº 86



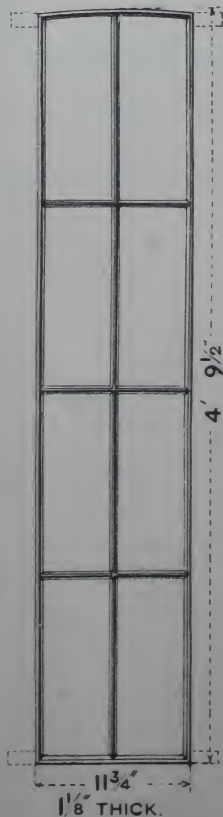
Nº 64



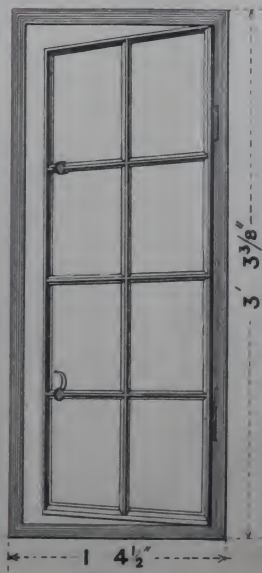
Nº 63



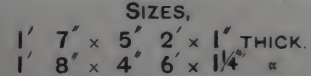
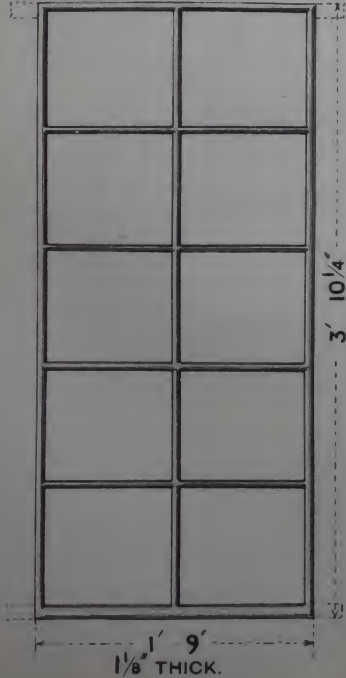
Nº 44



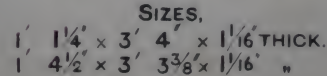
Nº 87



Nº 62



SCALE 1 INCH = 1 FOOT.



IMPROVED STABLE FITTINGS.

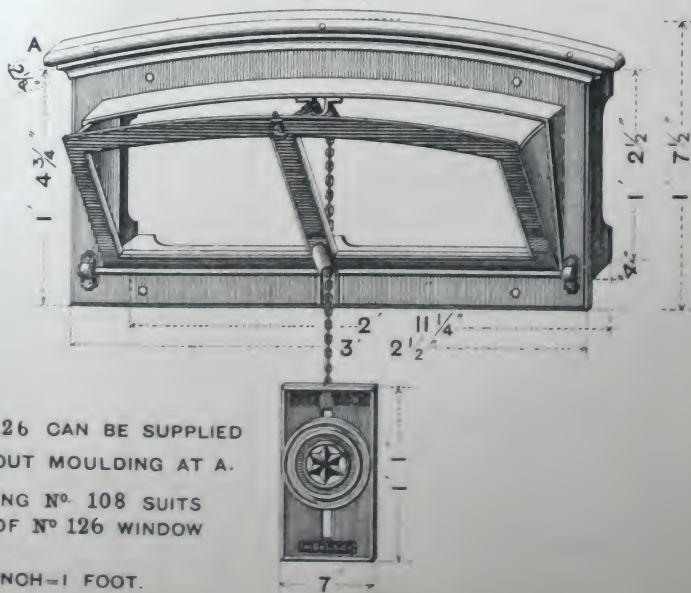
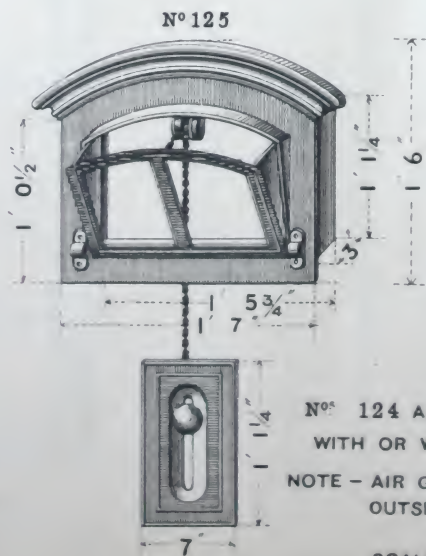
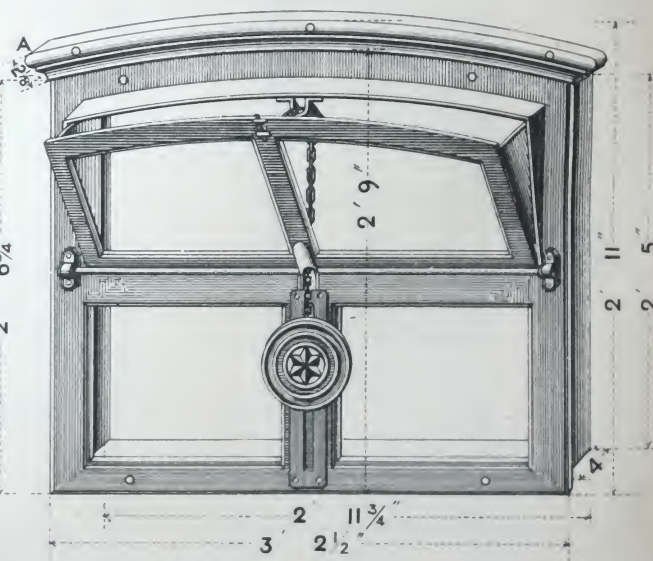
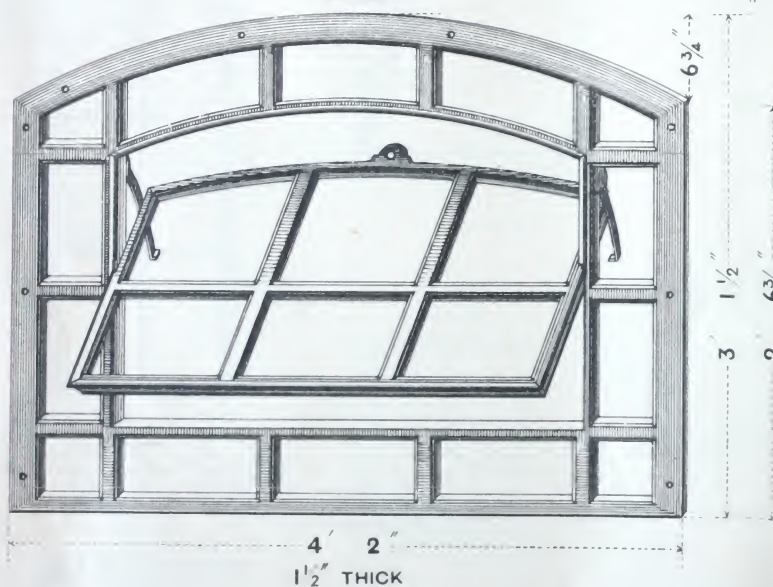
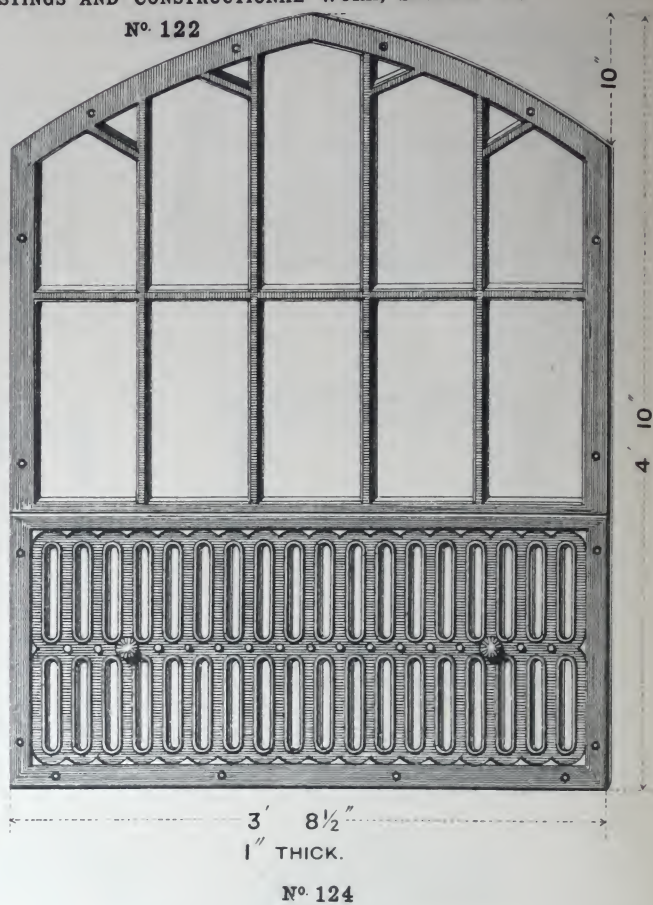
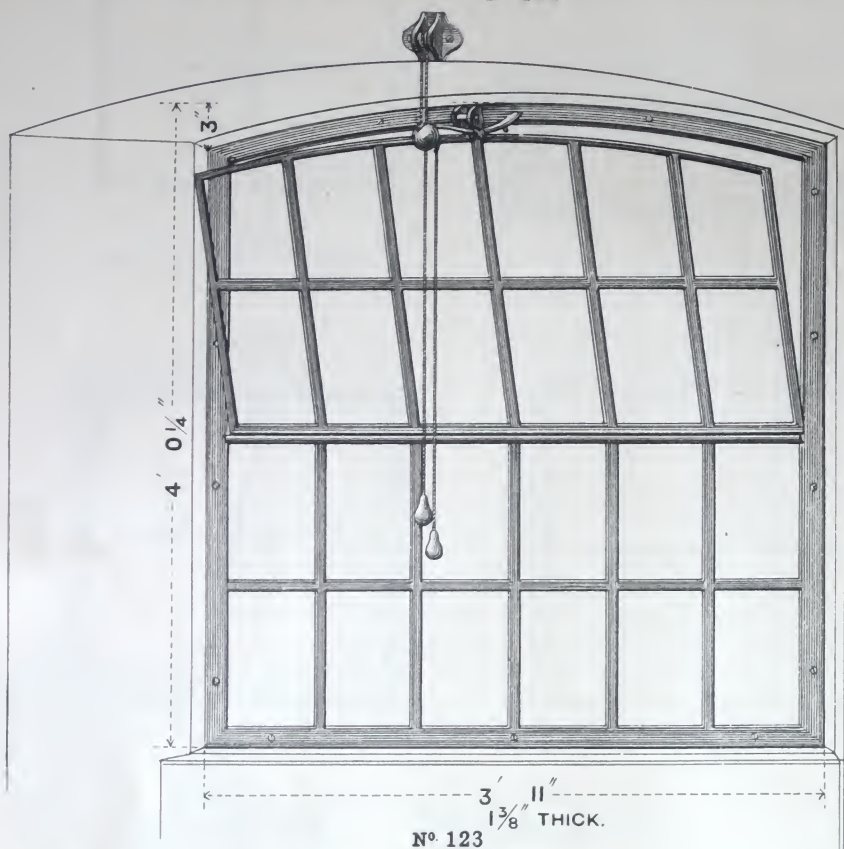
CAST-IRON WINDOWS.

2242

For other kinds of WINDOWS see our Catalogue of ORNAMENTAL CASTINGS AND CONSTRUCTIONAL WORK, SECTION IV.

Nº 121

Nº 122



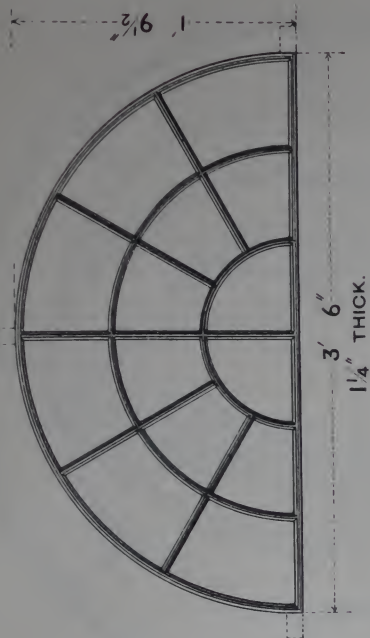
Nº 124 AND 126 CAN BE SUPPLIED WITH OR WITHOUT MOULDING AT A.
NOTE - AIR GRATING Nº 108 SUITS OUTSIDE OF Nº 126 WINDOW

SCALE 1 INCH=1 FOOT.

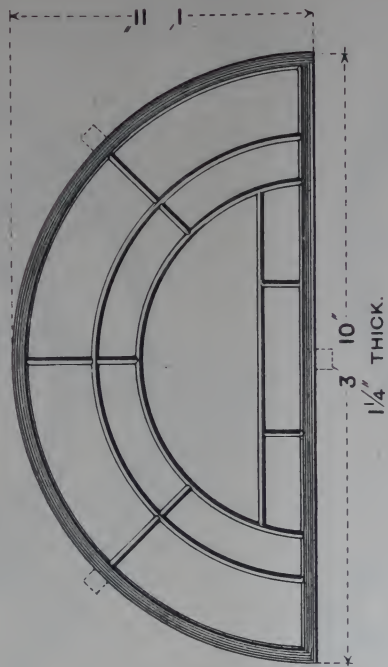
IMPROVED STABLE FITTINGS.

SEMICIRCULAR
CAST-IRON WINDOWS.

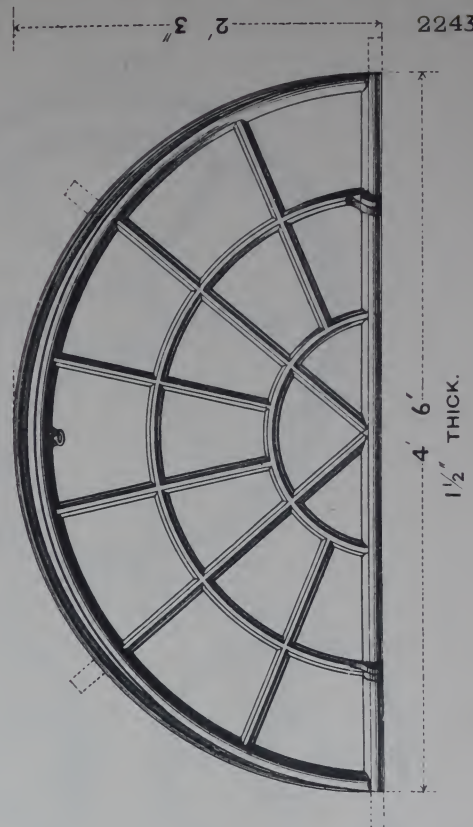
N^o 227



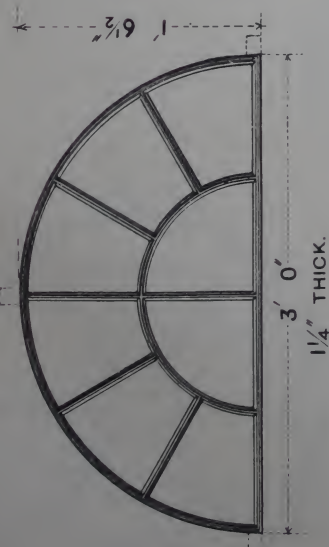
N^o 230



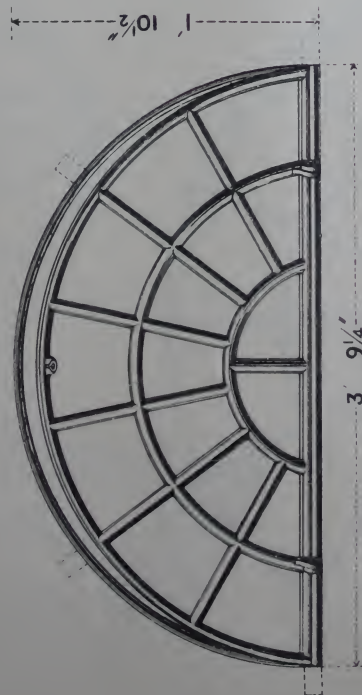
N^o 233



N^o 225

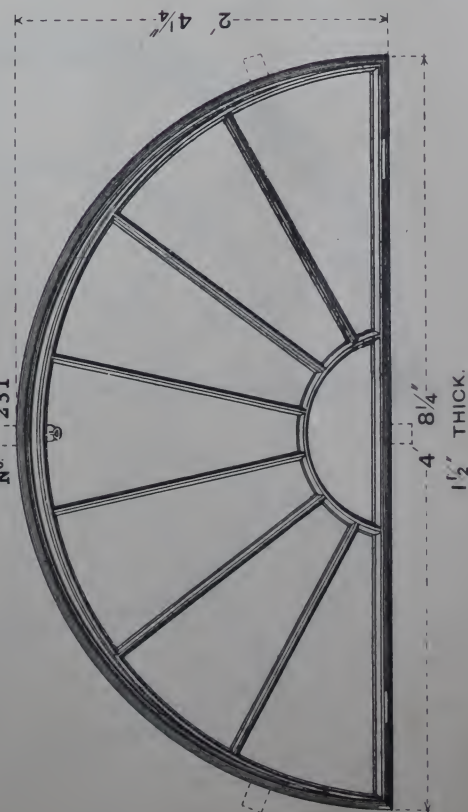


N^o 228

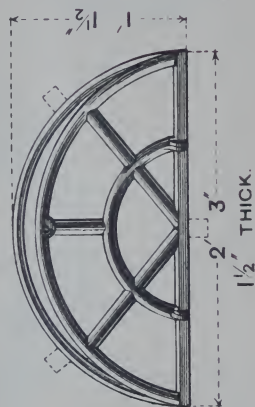


SIZES.
3' 9 1/4" x 1' 10 1/2" x 1 1/2" THICK.
4' 6 1/4" x 2' 3" x 1 1/2"

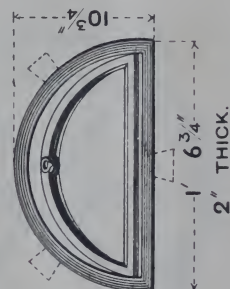
N^o 231



N^o 229



N^o 232



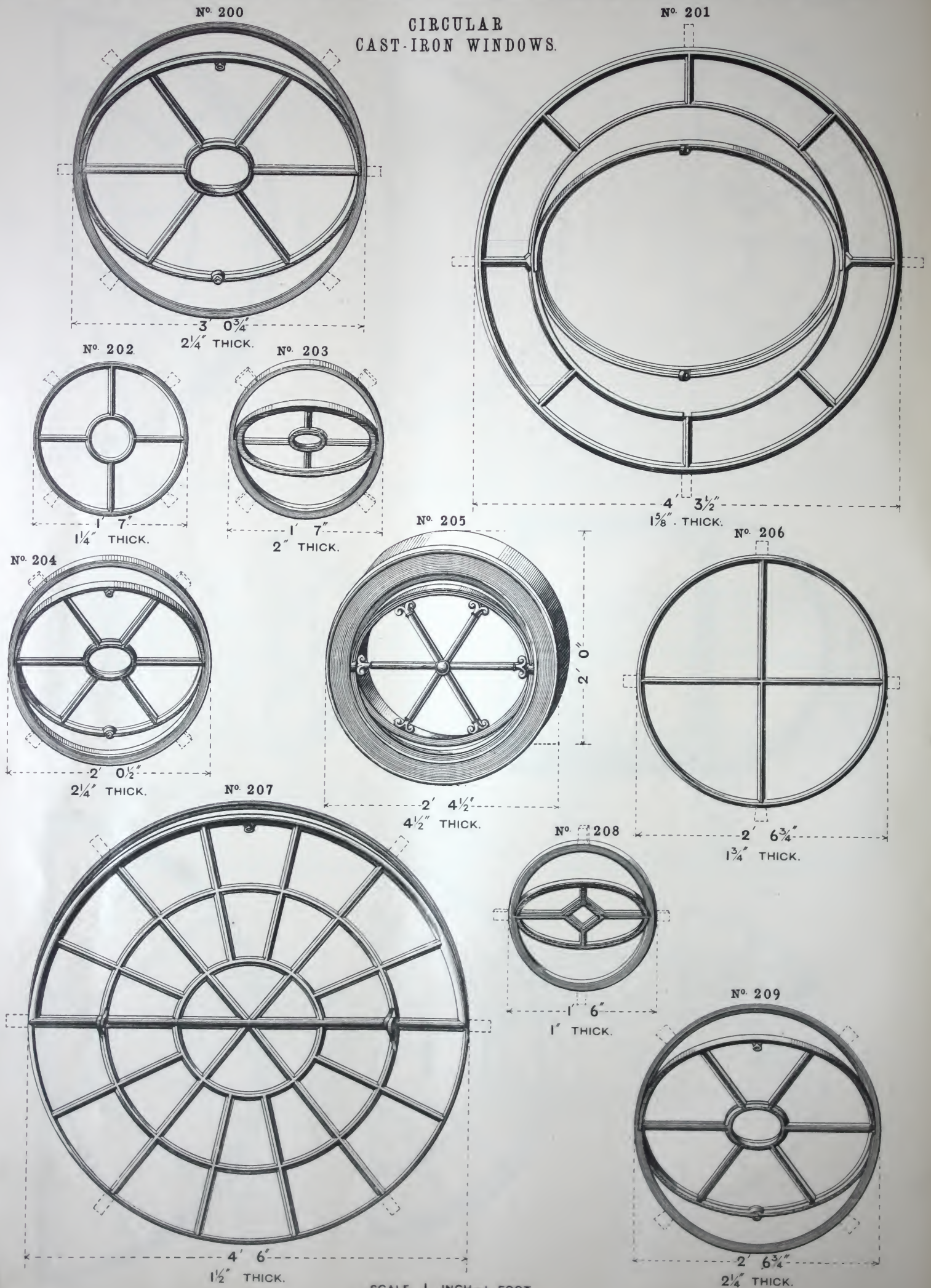
SCALE 1 INCH = 1 FOOT.

IMPROVED STABLE FITTINGS.

2244

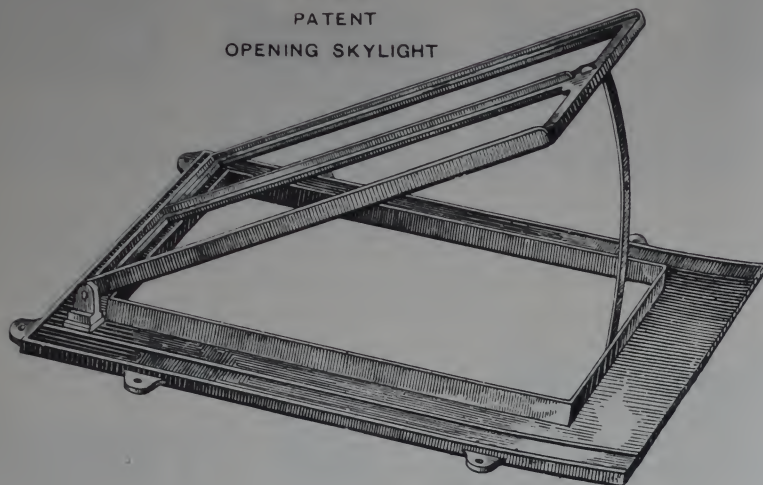
For other kinds of WINDOWS see our Catalogue of ORNAMENTAL CASTINGS AND CONSTRUCTIONAL WORK, SECTION IV.

CIRCULAR CAST-IRON WINDOWS.



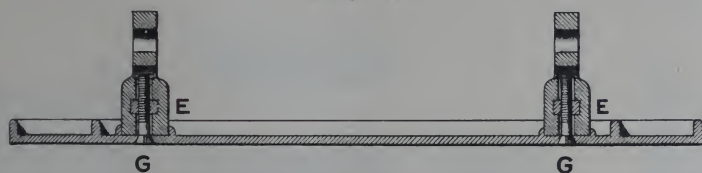
SKYLIGHTS.

N^o 270
PATENT
OPENING SKYLIGHT



DAYLIGHT SIZES.	
12" x 8"	30" x 15"
14" x 10"	30" x 16"
14" x 12"	30" x 18"
16" x 12"	33" x 18"
16" x 14"	36" x 20"
18" x 12"	36" x 24"
20" x 14"	42" x 24"
20" x 16"	42" x 30"
24" x 15"	42" x 36"
24" x 16"	48" x 33"
24" x 18"	

FIG. 1



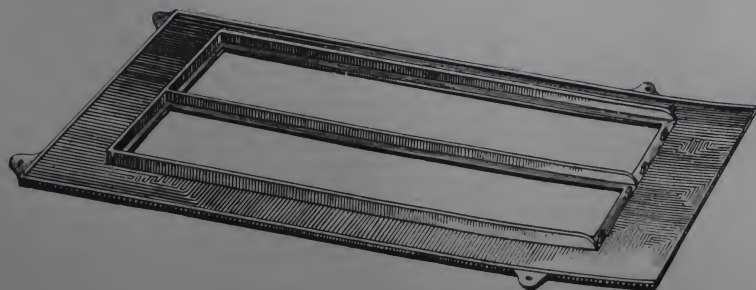
Skylights have hitherto been hinged so that the moveable frame could be easily unscrewed from the outside, and access to the inside gained without any visible disturbance.

The improvements, shown by reference to the drawings, are that the unhinging is accessible only from the underside of the FIXED frame, which is fixed to the roof, and not moveable.

Fig. 1 is a transverse section of the fixed frame as taken through the lugs to which the moveable frame is hinged. E E show how the lugs are fixed by the screws G G from the underside of the fixed frame.

This new feature in Skylights gives greater security than has been formerly attained.

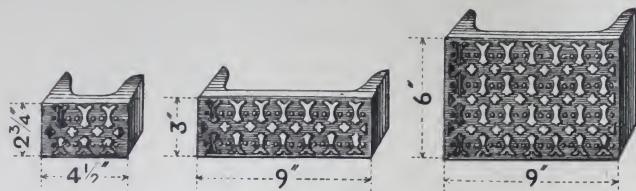
N^o 271
DEAD SKYLIGHT



DAYLIGHT SIZES.	
12" x 8"	30" x 15"
14" x 10"	30" x 16"
14" x 12"	30" x 18"
16" x 12"	33" x 18"
16" x 14"	36" x 18"
18" x 12"	36" x 20"
20" x 14"	36" x 24"
20" x 16"	42" x 24"
24" x 15"	42" x 30"
24" x 16"	42" x 36"
24" x 18"	48" x 30"
	48" x 33"
	54" x 22"
	60" x 39"

IMPROVED STABLE FITTINGS.

AIR BRICKS AND VENTILATORS.

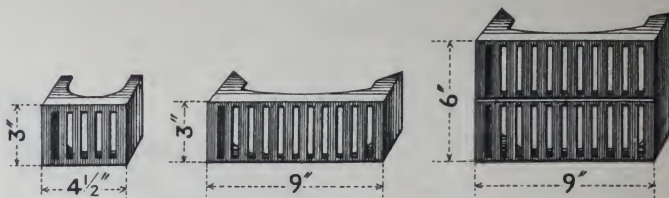
N^o 1

SIZES,

WITH SIDES
SAME AS TOP,
9" x 3"
9" x 6"

4 1/2" x 2 3/4"
8 1/2" x 2 3/4"
9" x 3"
9" x 4"

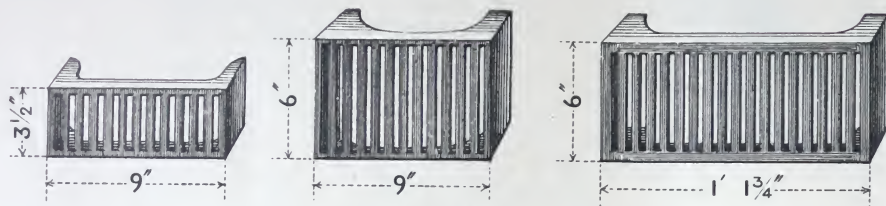
6" x 6"
9" x 6"
1' 0" x 6"
1' 6" x 6"
1' 6" x 9"

N^o 2

SIZES,

4 1/2" x 3"
9" x 3"
4 1/2" x 3 1/2"

8 3/4" x 5 3/4"
9" x 6"

N^o 3

SIZES,

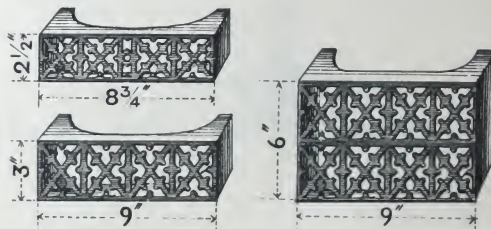
9" x 3"
9" x 3 1/2"
9" x 6"
1' 1 3/4" x 6"
1' 0" x 9"

1' 6" x 10"
1' 9" x 1' 0"
2' 0" x 1' 0"
2' 0" x 1' 6"
(with bar in centre as N^o 37)

N^o 4

SIZES,

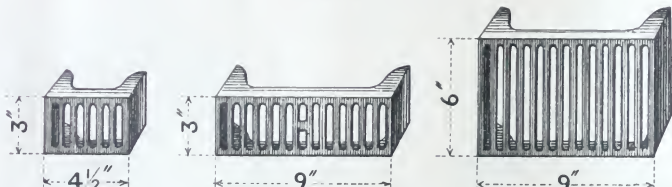
4 3/8" x 2 1/2"
8 1/2" x 2 1/2"
9" x 4"

N^o 6

SIZES,

4 1/4" x 2 1/2"
8 3/4" x 2 1/2"
8 3/4" x 2 1/2"

4 1/2" x 3"
9" x 3"
9" x 6"

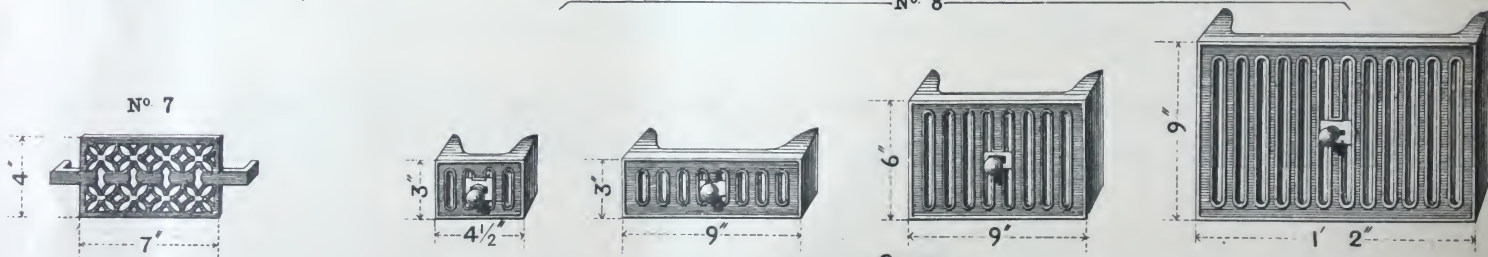
N^o 5

WITH SIDES
SAME AS TOP,
9" x 3"
9" x 6"

SIZES,
4 1/2" x 3"
9" x 3"
1' 2" x 3"
9" x 4"
9" x 4 1/2"

9" x 6"
1' 0" x 6"
1' 6" x 6"
10" x 8"

EXTRA HEAVY
SIZES,
9" x 3"
1' 0" x 6"

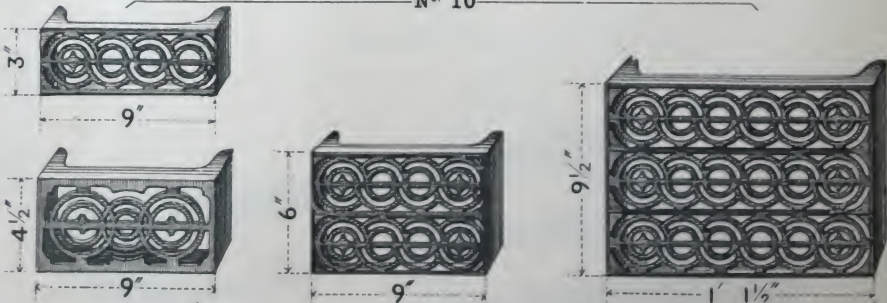
N^o 8

SIZES,

4 1/2" x 3 1/4"
9" x 3"
9" x 6"
1' 0" x 6"

9" x 6 1/2"
1' 0" x 7"
1' 2" x 9"
1' 2" x 1' 0"

EXTRA HEAVY SIZES,
9" x 3 1/8"
9" x 6"

N^o 10

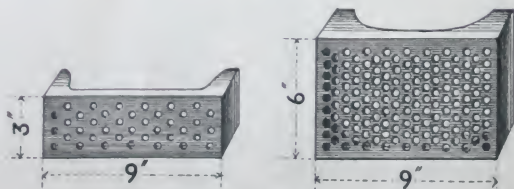
SIZES,

4 1/2" x 3"
9" x 3"
9" x 3 1/2"
9" x 4 1/2"
9" x 6"
1' 0" x 6 1/2"

9" x 7"
1' 0" x 7"
9" x 9 3/8"
1' 1 1/2" x 9 3/8"
1' 2" x 1' 0"
1' 5" x 1' 0"

WITH SIDES
SAME AS TOP,
9" x 3"
9" x 6"

EXTRA HEAVY SIZE,
9" x 9 3/8"

N^o 9

SIZES,

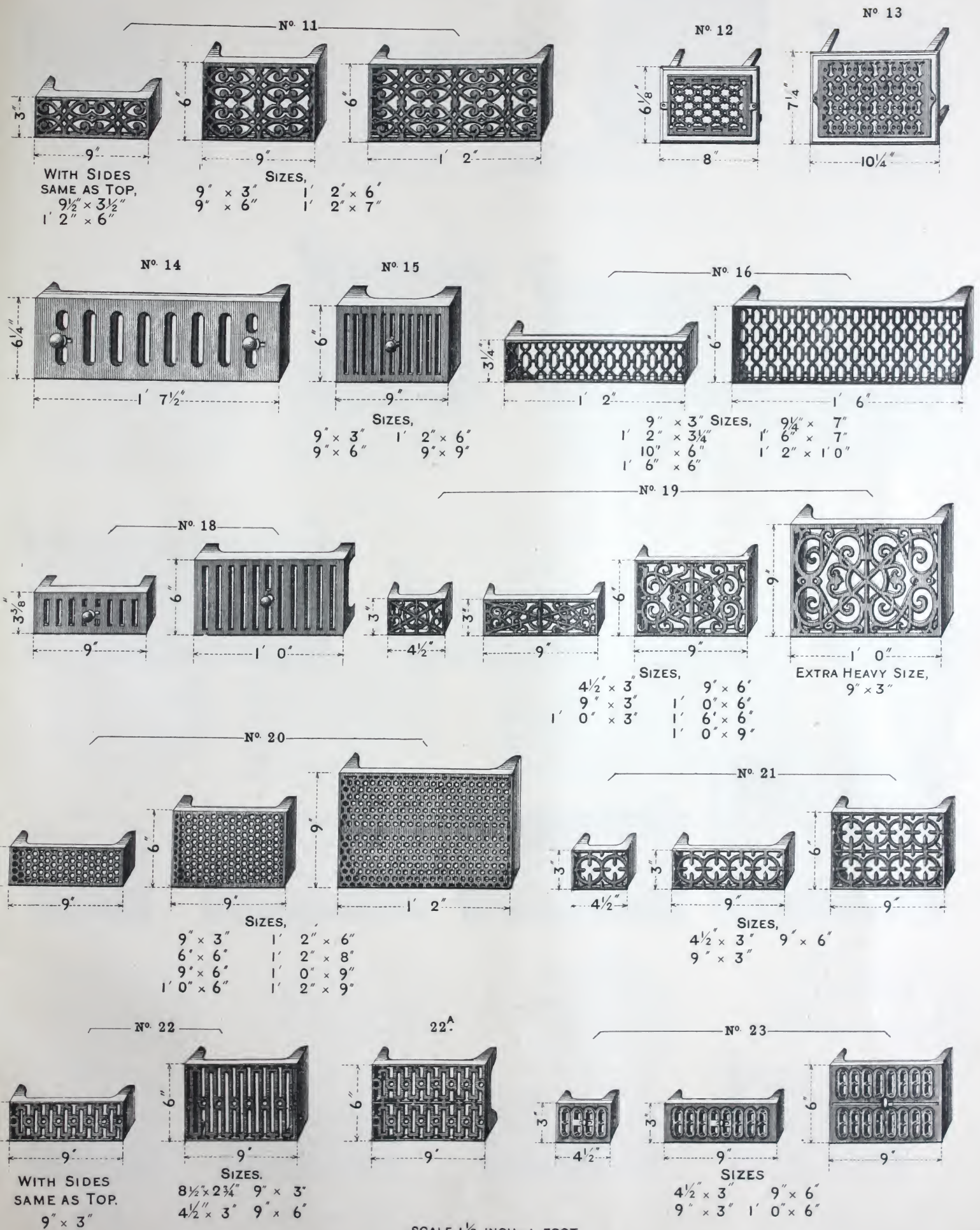
9" x 3"
9" x 6"
1' 0" x 6"
1' 2" x 6"

N^o 10 A

9" x 6"

SCALE 1 1/2 INCH = 1 FOOT.

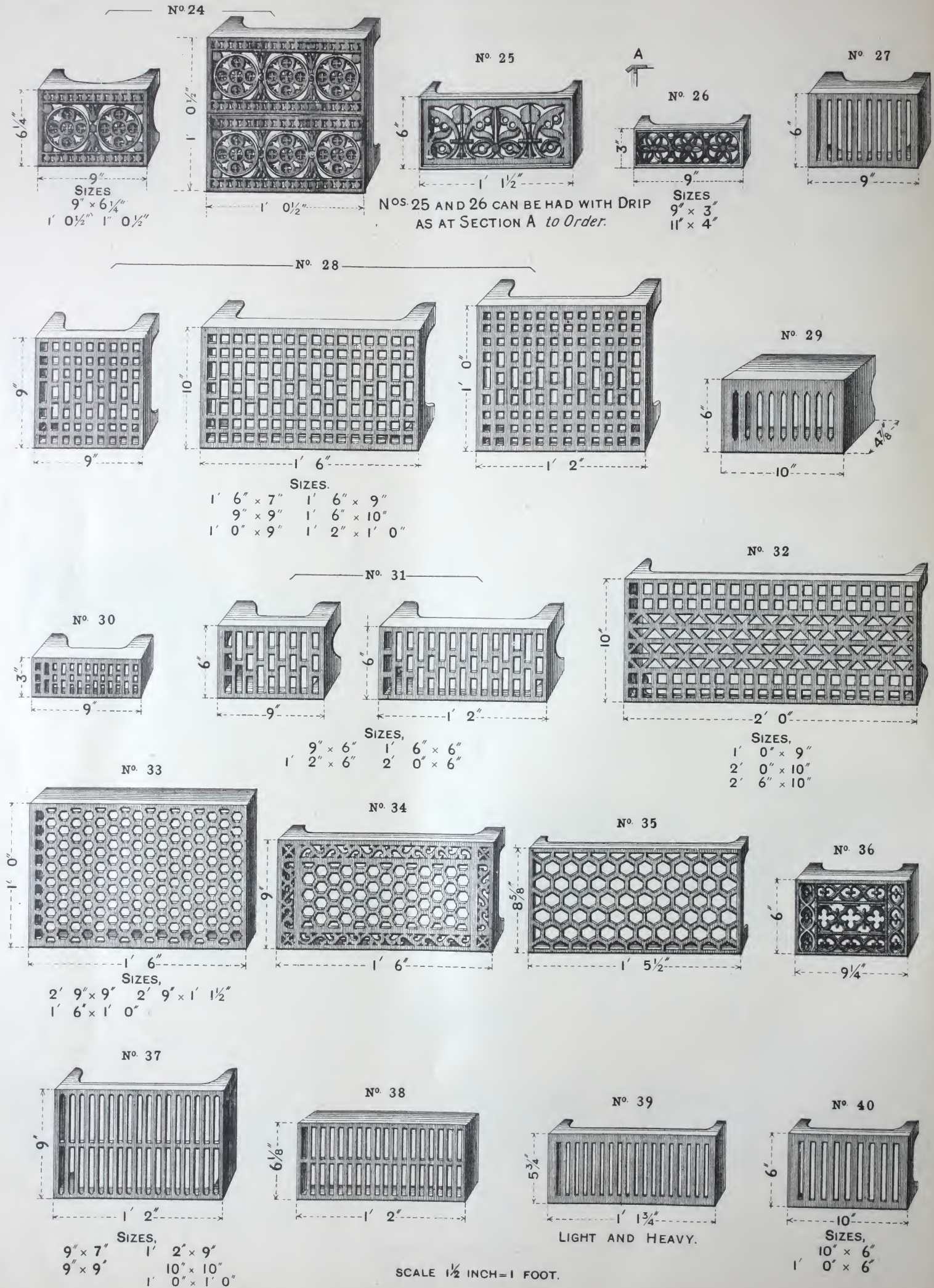
AIR BRICKS AND VENTILATORS.



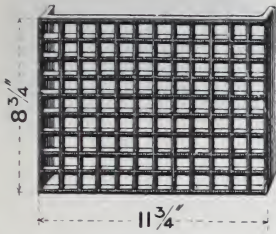
SCALE $\frac{1}{2}$ INCH=1 FOOT.

IMPROVED STABLE FITTINGS.

AIR BRICKS AND VENTILATORS.

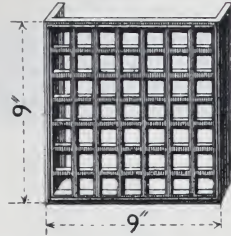


AIR BRICKS AND VENTILATORS.

N^o 41


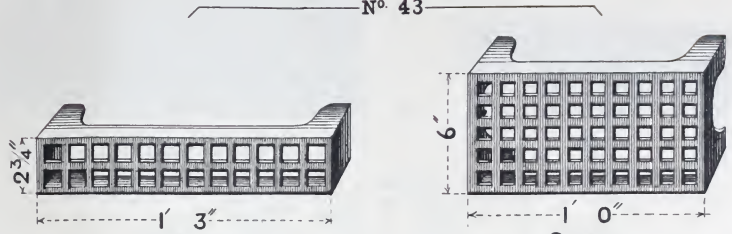
SIZES,

6" x 6" 1' 0" x 9"
 9" x 2 1/2" 1' 0" x 1' 0"
 9" x 3" 1' 2" x 9"
 9 1/4" x 5 3/4" 1' 2 1/4" x 6"
 9 1/2" x 5 1/2" 1' 6" x 9"
 11 3/4" x 8 3/4" 2' 0" x 1' 6"
 1' 0" x 6" 2' 0" x 2' 0"
 WITH SIDES SAME AS N^o 3.
 9" x 3" 9" x 6" 1' 2" x 9"

N^o 42


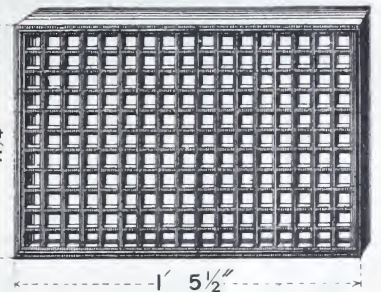
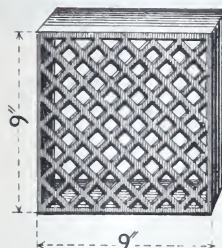
SIZES,

9" x 6"
 9" x 9"
 1' 6" x 1' 0"
 EXTRA HEAVY SIZE.
 11 3/4 x 8 3/4"

N^o 43


SIZES,

8" x 7"
 9" x 6 1/2"
 1' 0" x 6"

N^o 46

N^o 45


SIZES,

8 3/4" x 7" WITH SIDES AS N^o 39.
 9" x 9"
 9" x 6" SECTION AS AT A.

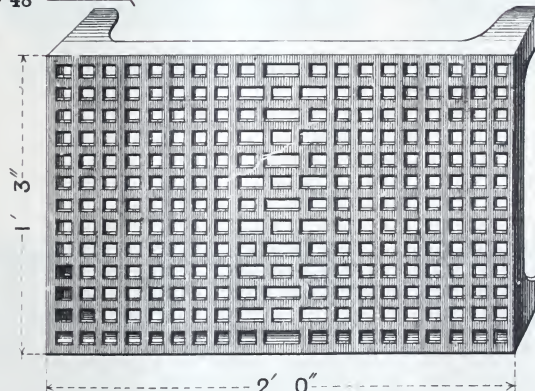
N^o 44


SIZES,

9" x 3"
 9" x 4 1/2"
 9" x 6"
 9" x 9"

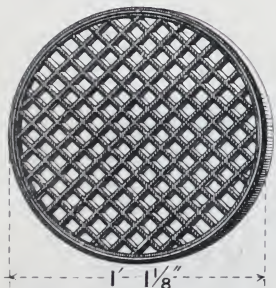
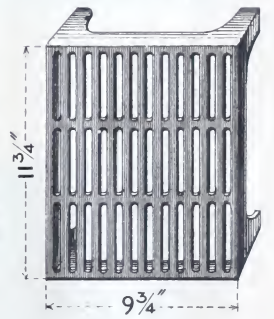
SIZES,

1' 0" x 1' 0" 1' 2" x 9"
 1' 2" x 4 1/4" 1' 6" x 9"

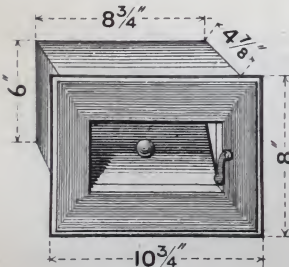
N^o 48


SIZES,

1' 3" x 1' 2"
 1' 6" x 1' 0"
 2' 0" x 1' 3"

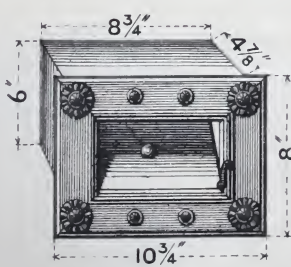
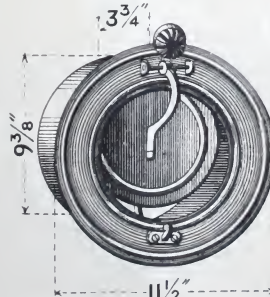
N^o 47

N^o 49


ARNOTT'S VENTILATORS

N^o 50


SIZES,

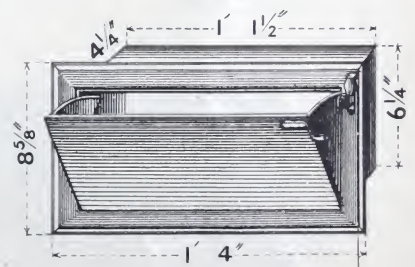
OUTSIDE. 10 3/4" x 8" 8 3/4" x 6"
 1' 3 3/4" x 9 1/2" 1' 1 3/4" x 7 3/4"

N^o 51

N^o 53


SIZES,

OUTSIDE. 8 1/4" 6 3/8"
 9 3/4" 7 1/4"
 11 1/2" 9 3/8"

SHERRINGHAM VENTILATOR

N^o 52


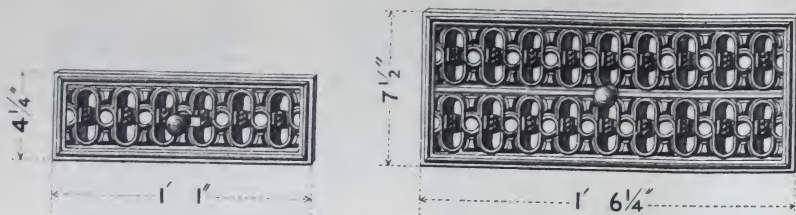
SIZES,

OUTSIDE. 11 1/4" x 5 1/4" 9" x 3"
 11 1/2" x 5 1/2" 9" x 3"
 11 1/4" x 8 1/4" 9" x 6"
 1' 3 1/2" x 8 1/2" 1' 1" x 6"
 1' 4" x 8 5/8" 1' 1 1/2" x 6 1/4"

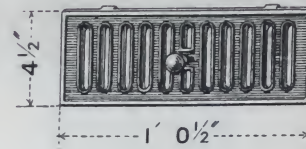
SCALE 1 1/2 INCH = 1 FOOT.

IMPROVED STABLE FITTINGS.

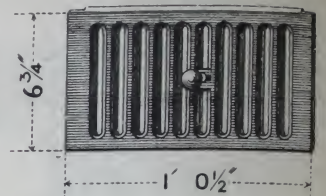
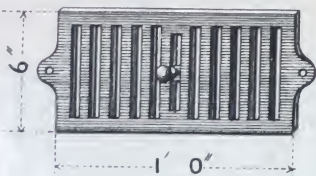
AIR BRICKS AND VENTILATORS.

N^o 54

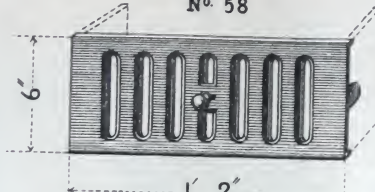
SIZES,
 $7\frac{1}{4}'' \times 4\frac{1}{4}''$ $2' 0\frac{1}{4}'' \times 4\frac{1}{4}''$
 $1' 1'' \times 4\frac{1}{4}''$ $2' 6'' \times 4\frac{1}{4}''$
 $1' 6\frac{1}{2}'' \times 4\frac{1}{4}''$ $1' 6\frac{1}{4}'' \times 7\frac{1}{2}''$

N^o 55

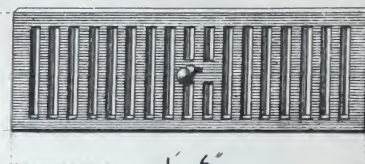
SIZES,
 $1' 0\frac{1}{2}'' \times 4\frac{1}{2}''$
 $1' 6'' \times 6''$

N^o 56N^o 57

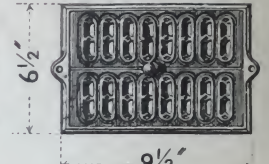
SIZES,
 $9'' \times 3''$ $1' 0'' \times 6''$
 $8'' \times 5''$ $1' 0'' \times 9''$
 $10'' \times 5\frac{1}{2}''$ $1' 6'' \times 6''$
 $9'' \times 6''$ $1' 3'' \times 6\frac{1}{2}''$
 $1' 6'' \times 7\frac{1}{2}''$

N^o 58

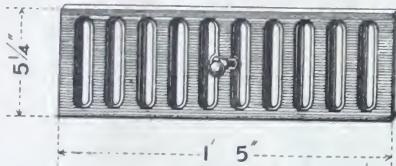
CAN ALSO BE HAD FITTED
 WITH SIDES AS SHOWN BY
 DOTTED LINES to Order.

N^o 59

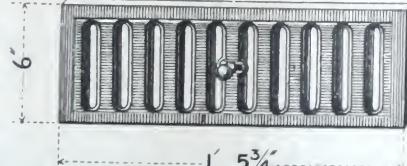
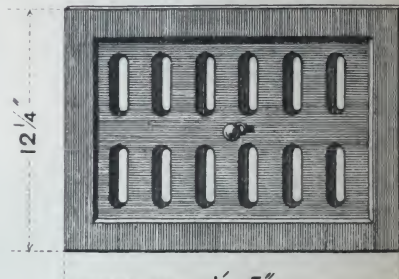
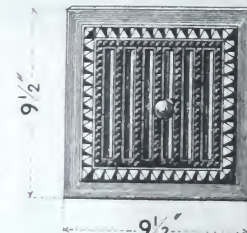
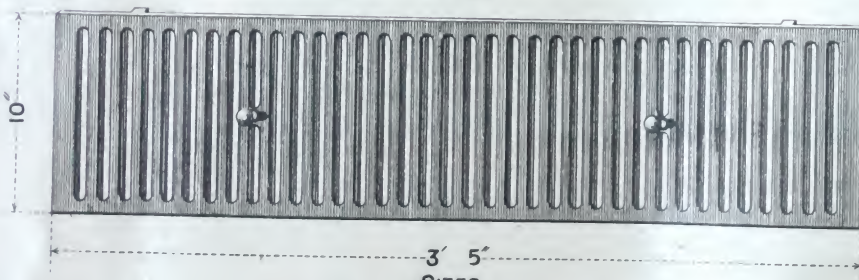
SIZES,
 $1' 2'' \times 4\frac{1}{2}''$ $1' 6'' \times 6''$
 $1' 0'' \times 6''$

N^o 60

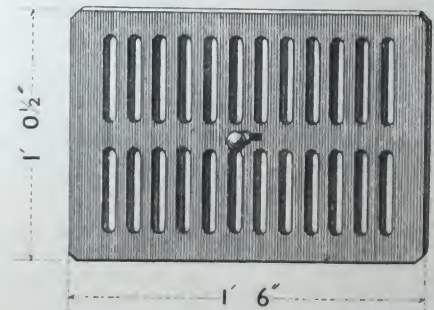
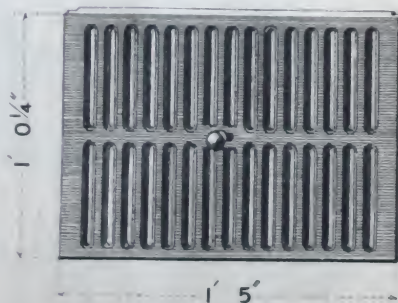
N^o 64
 WITH FRAME CAST SEPARATE.

N^o 61

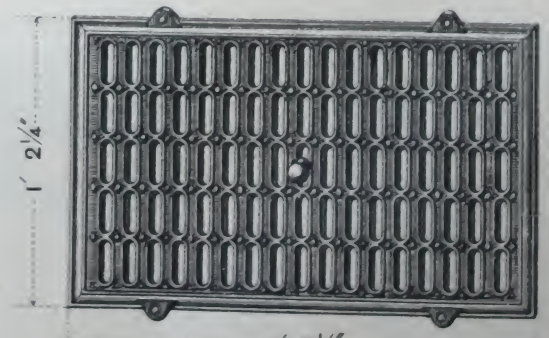
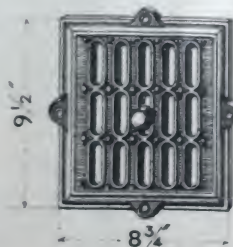
N^o 62
 WITH FRAME CAST SEPARATE.

N^o 63N^o 65

SIZES,
 $2' 8\frac{3}{4}'' \times 4\frac{1}{8}''$ $3' 5'' \times 8''$
 $2' 10\frac{1}{4}'' \times 5''$ $3' 0'' \times 10''$
 $3' 3\frac{3}{4}'' \times 6''$ $3' 5'' \times 10''$

N^o 66N^o 68N^o 67

SIZES,
 $1' 2'' \times 9''$
 $1' 5'' \times 1' 0\frac{1}{4}''$



SIZES,
 $8\frac{3}{4}'' \times 9\frac{1}{2}''$
 $1' 11\frac{1}{4}'' \times 1' 2\frac{1}{4}''$

SCALE 1 1/2 INCH=1 FOOT.

IMPROVED STABLE FITTINGS.

2251

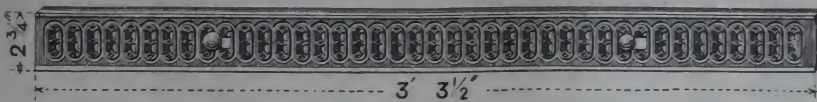
AIR BRICKS AND VENTILATORS.

Nº 69



SIZES,
9" x 2 1/2"
9" x 3"

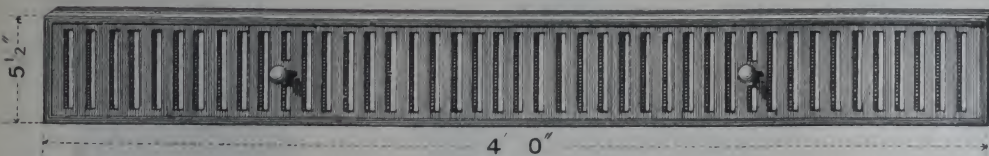
Nº 70



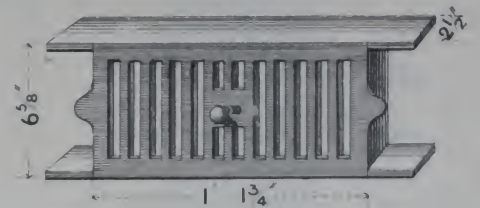
Nº 71



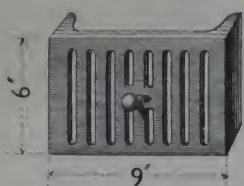
Nº 72



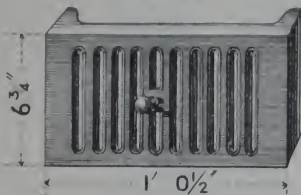
Nº 73



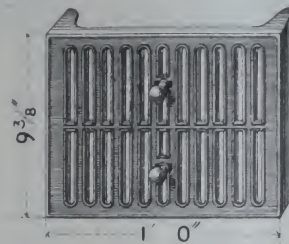
Nº 74



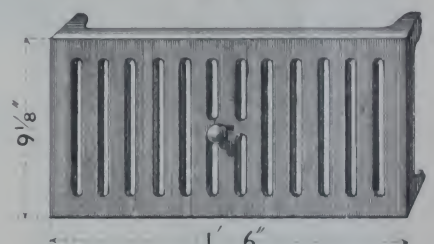
Nº 75



Nº 76

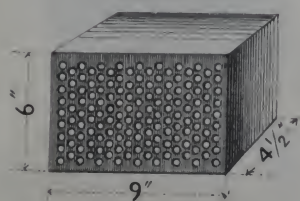


Nº 77

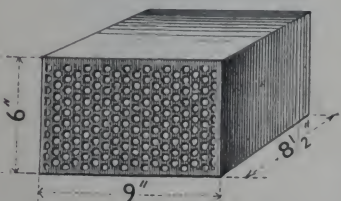


SIZES,
1' 0" x 9 3/8"
1' 0" x 10 1/2"

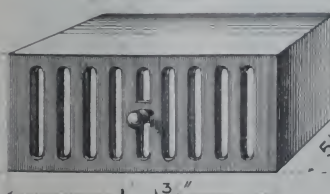
Nº 78



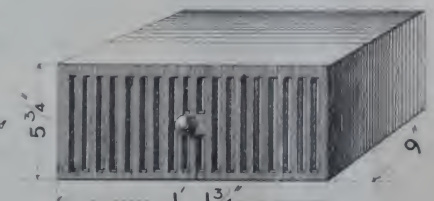
Nº 79



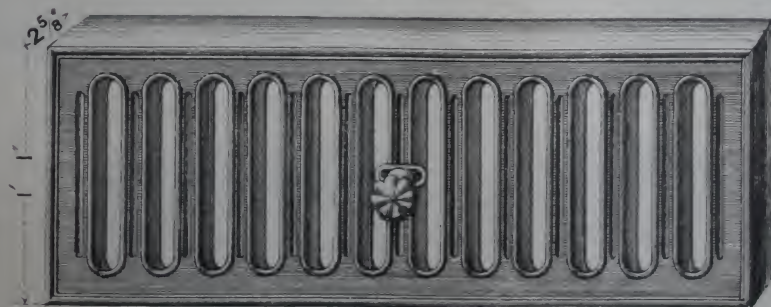
Nº 80



Nº 81

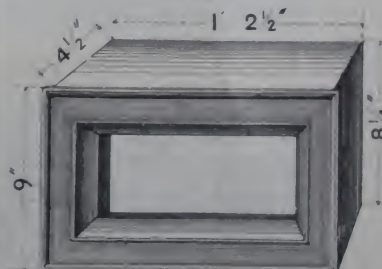


Nº 83

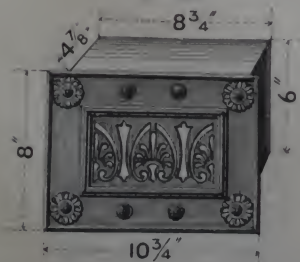


SIZES,
3' 3 3/4" x 1' 0"
2' 11 3/4" x 1' 1"

Nº 84



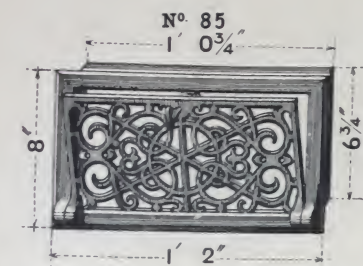
Nº 82



SCALE 1 1/2 INCH = 1 FOOT.

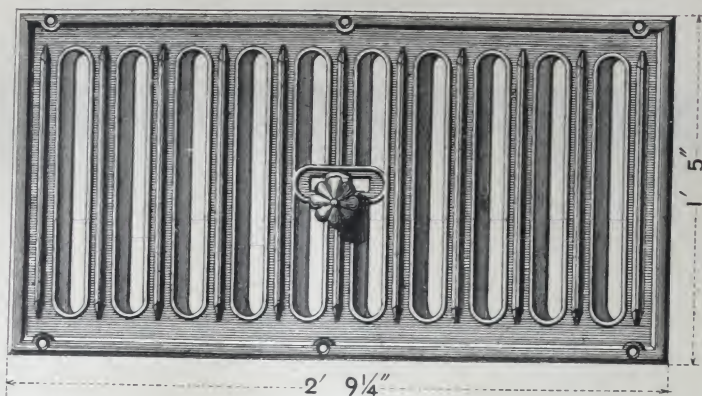
IMPROVED STABLE FITTINGS.

AIR BRICKS AND VENTILATORS.



CAN ALSO BE FITTED WITH KEY
SAME AS N° 91

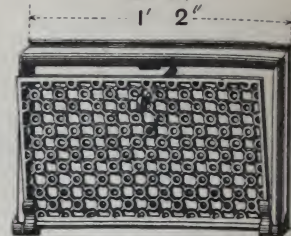
N° 86



SIZES,

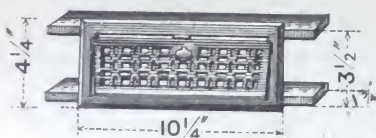
2' 9 1/4" x 1' 5"
2' 6" x 1' 6"

N° 87



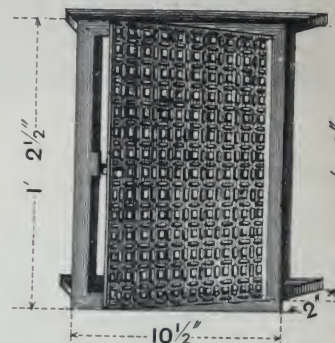
CAN ALSO BE FITTED WITH KEY
SAME AS N° 91

N° 88



CAN ALSO BE FITTED WITH KEY
SAME AS N° 91

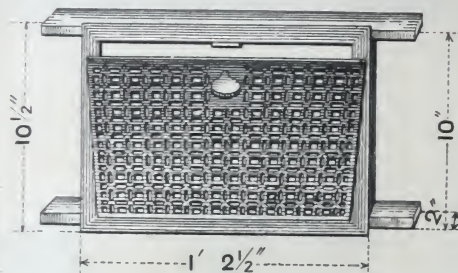
N° 91



SIZES,

7" x 10"
10 1/2" x 1' 2 1/2"
WITH KEY.

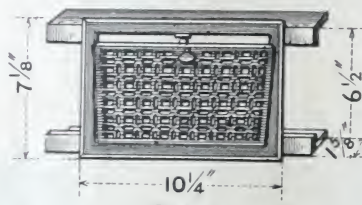
N° 90



SIZES,

10" x 4 1/2"
7" x 10"
1' 2 1/2" x 10 1/2"

N° 89

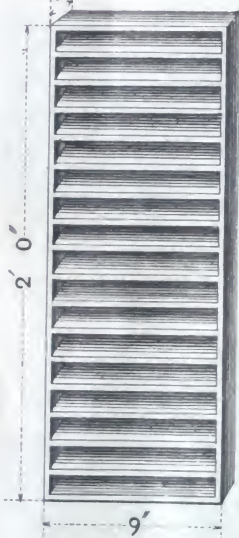


SIZES,

10 1/4" x 7 1/8"
10 3/8" x 9 1/4"

CAN ALSO BE FITTED WITH KEY
SAME AS N° 91

N° 92



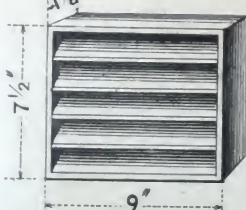
SIZES,

1' 0" x 6 1/8" 1' 0" x 1' 0"
9" x 7 1/2" 9" x 2' 0"
9 1/4" x 9 1/4"

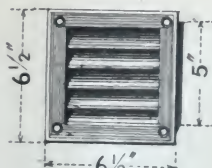
DRIP FOR
N° 92 VENTILATOR.



N° 92



N° 93



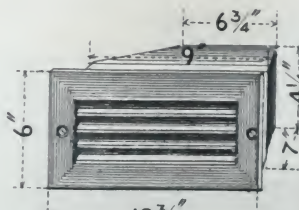
OUTSIDE.

6 1/2" x 6 1/2"
7 3/4" x 7 3/4"

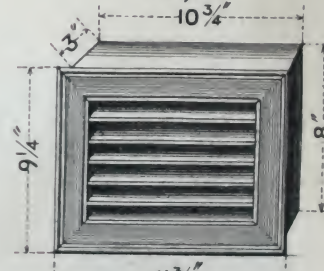
INSIDE.

5" x 5"
6 1/2" x 6 1/2"

N° 94



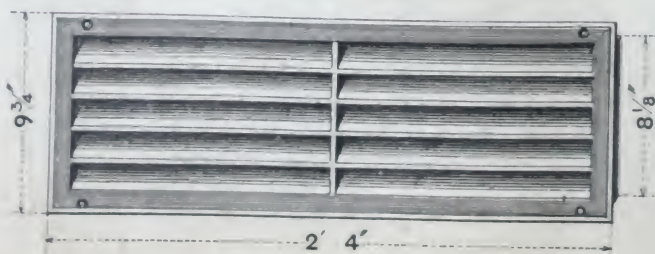
N° 95



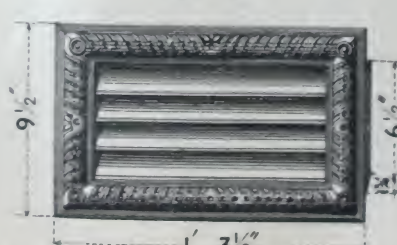
SIZES.

OUTSIDE. 11 3/4" x 9 1/4" 10 3/4" x 8"
1' 4" x 1' 0" 1' 3" x 11"

N° 96



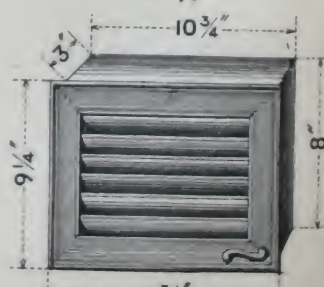
N° 97



WITH WROUGHT IRON
FIXED LOUVRES.
INSIDE SIZE

1' 0 1/2" x 6 1/2"

N° 98



WITH WROUGHT IRON
SHIFTING LOUVRES.
SIZES.

OUTSIDE. 10" x 10" 9" x 9"
11 3/4" x 9 1/4" 10 3/4" x 8"
1' 4" x 1' 0" 1' 3" x 11"

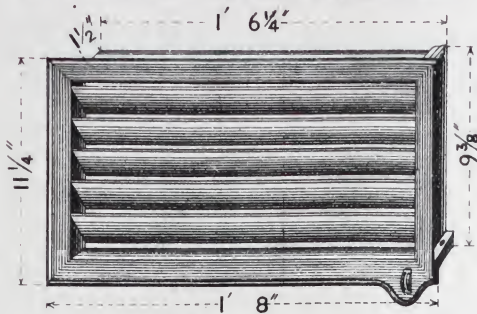
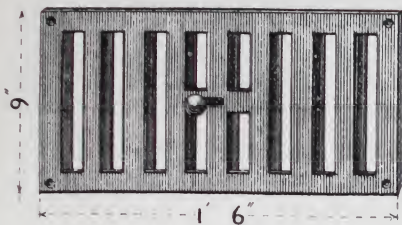
SCALE 1 1/2 INCH=1 FOOT.

IMPROVED STABLE FITTINGS. AIR BRICKS AND VENTILATORS.

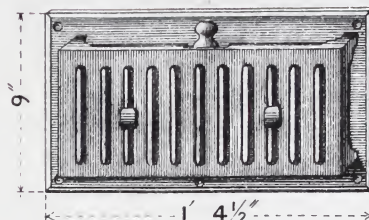
2253

N^o. 100
WITH WROUGHT IRON SHIFTING LOUVRES.

N^o. 99

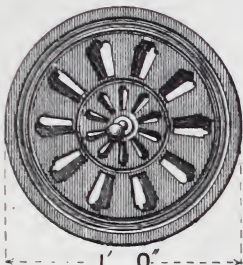


N^o. 101



SECTION.

N^o. 102

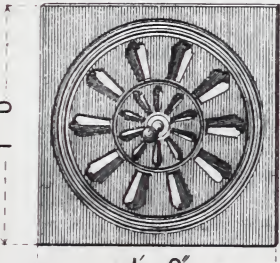


CAN ALSO BE SUPPLIED

WITH KEY.

SIZES,
4', 5', 6', 7', 8', 9',
10', 11', 1' 0", 1' 2",
1' 3', 1' 4', 1' 6",
AND 2' 0" DIAMETER

N^o. 103

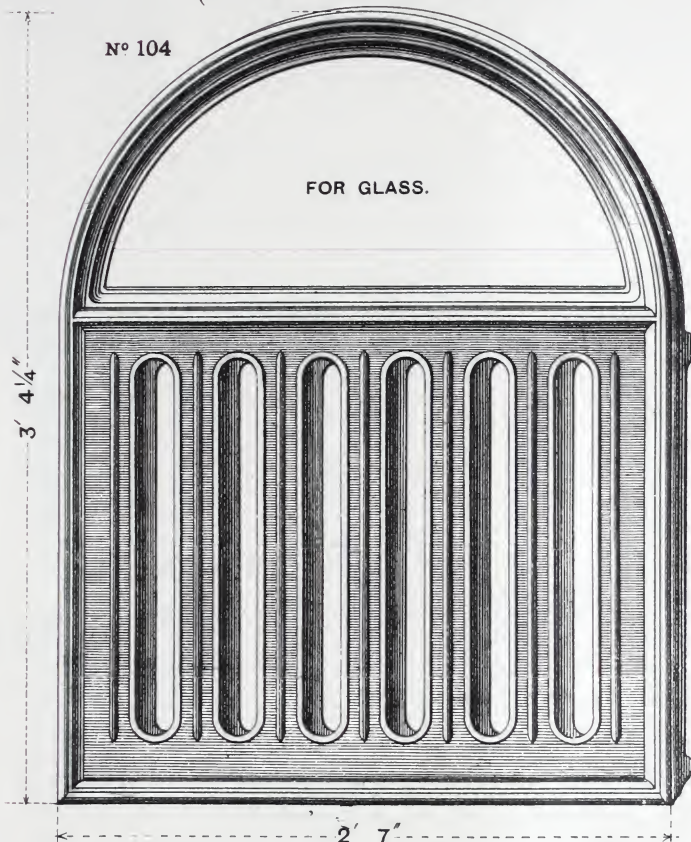


CAN ALSO BE SUPPLIED

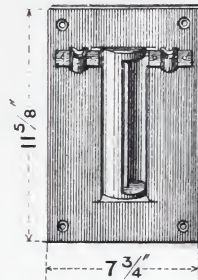
WITH KEY.

SIZES,
4', 5', 6', 7', 8', 9',
10', 11', 1' 0", 1' 2",
1' 3", 1' 4", AND
1' 6" SQUARE.

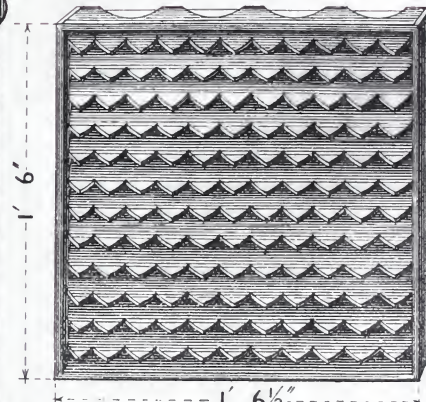
N^o. 104



N^o. 105



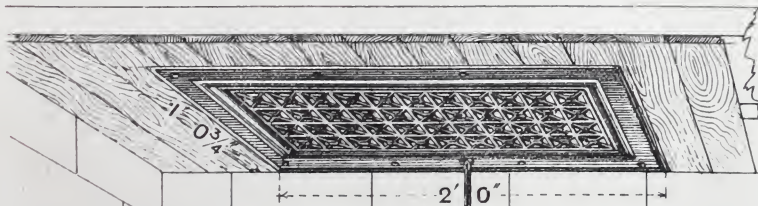
N^o. 106



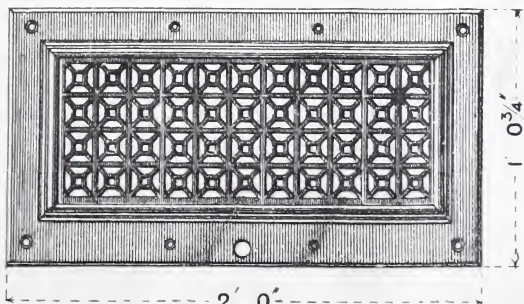
SIZES,
11 5/8" x 2' 2 3/4"
1' 6 1/2" x 1' 6"

HEIGHT CAN BE VARIED TO ANY SIZE
LESS THAN THOSE SHOWN.

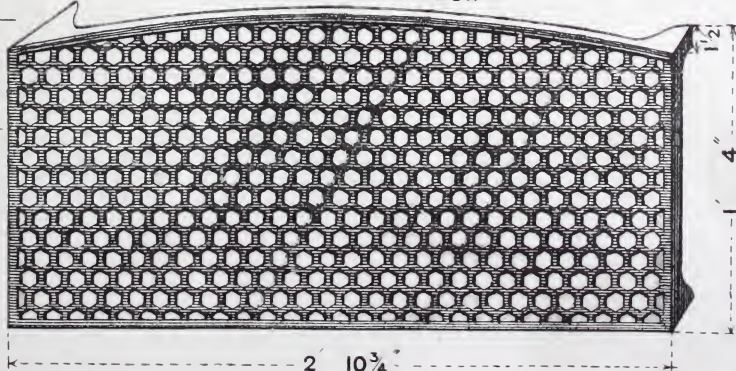
PLAN OF N^o. 107



N^o. 107



N^o. 108
SUITS N^o. 126 WINDOW

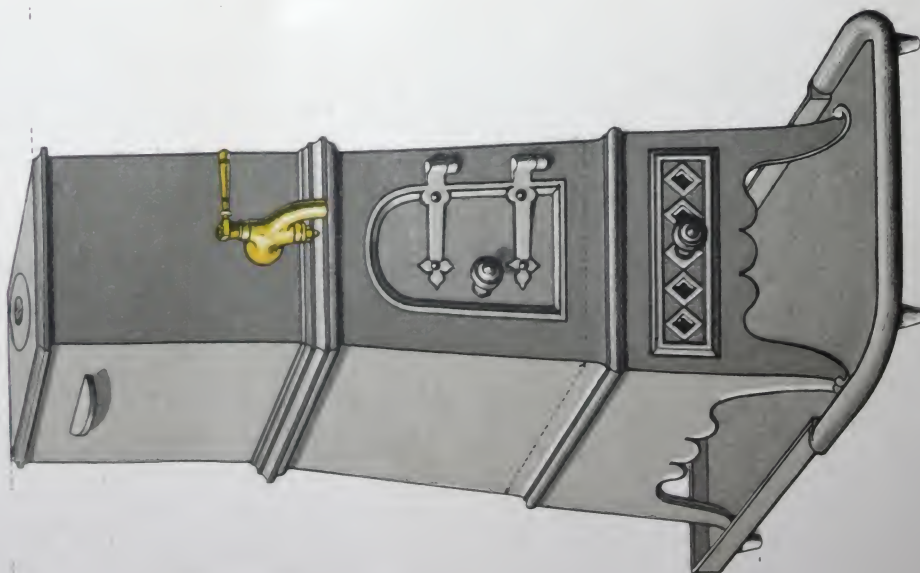


SCALE 1 1/2 INCH=1 FOOT.

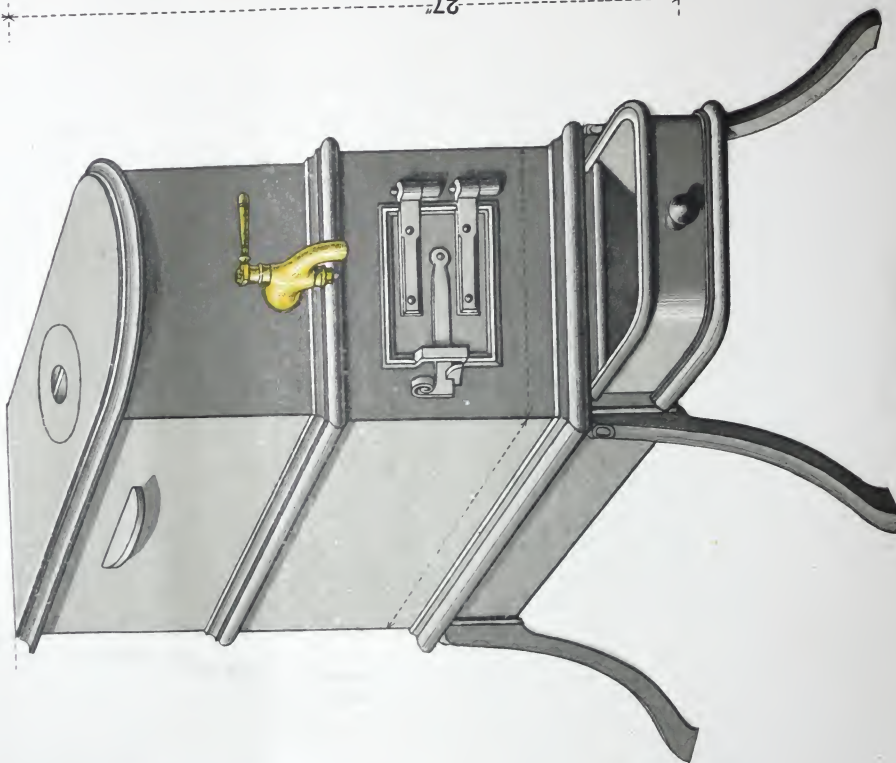
IMPROVED STABLE FITTINGS.

HARNES ROOM STOVES.

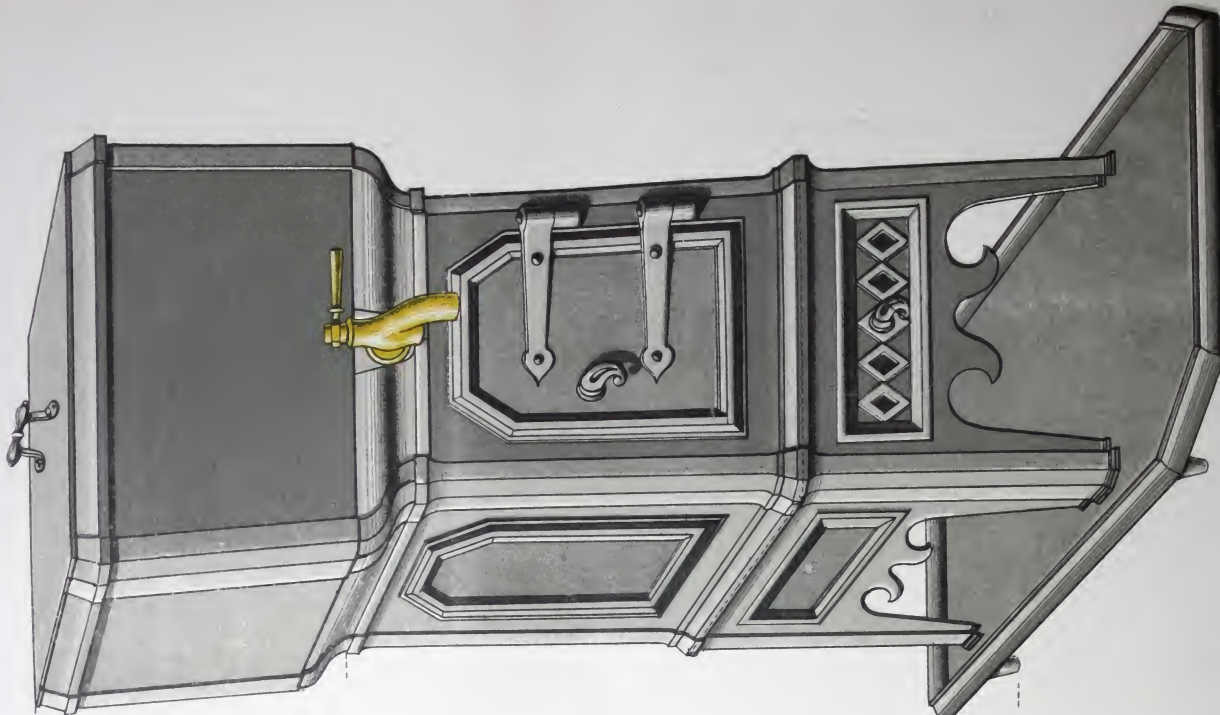
For other kinds of STOVES see our SECTION II



A. PATTERN.
NOZZLE.
SIZES, No. 1. 7" x 7" x 28" 3 1/2"
No. 2. 8" x 8" x 31" 3 1/2"
No. 3. 11 1/2" x 11 1/2" x 36" 4"
SMALL SIZE HAS NO ASH PAN.



B. PATTERN.
SIZE, No. 1. 10" x 13" x 29 1/2" HIGH. NOZZLE 3 1/2".



C. PATTERN.
SIZE, No. 1. 12" x 12" x 39" HIGH. NOZZLE 5"

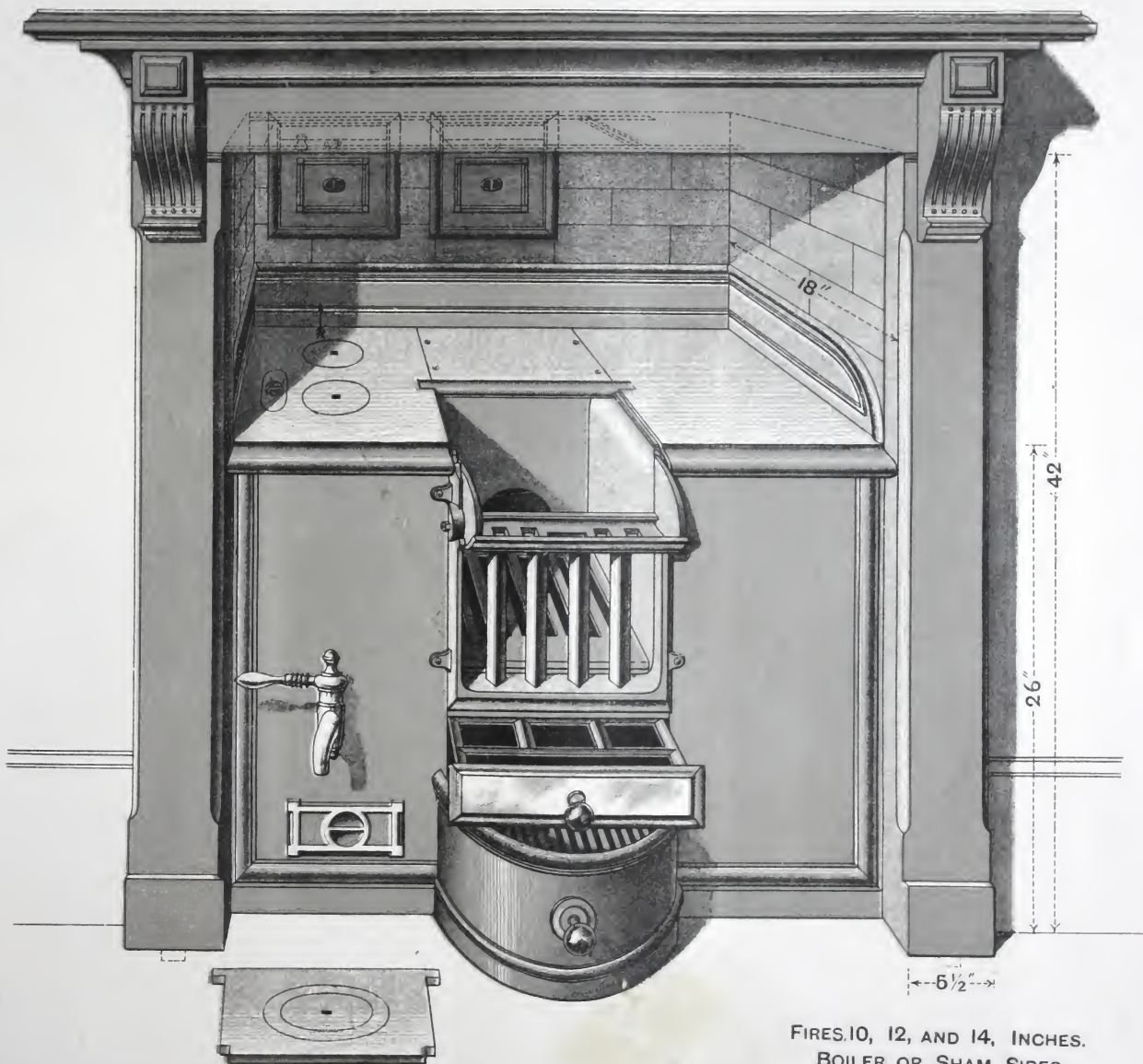
IMPROVED STABLE FITTINGS.

For other kinds of GRATES and RANGES
see our SECTIONS I and II.

N^o. 143 HARNESS ROOM GRATE.

CONSISTING OF HOPPER BREAST WITH WROUGHT IRON VERTICAL LOOSE BARS (CAN ALSO BE HAD WITH LOOSE HORIZONTAL BARS *to order*), WROUGHT IRON WELDED BACK BOILER FOR HEATING HOT WATER PIPES ROUND COACH HOUSE, HARNESS ROOM, &C., AND WROUGHT IRON WELDED SIDE BOILER (RIGHT OR LEFT HAND) FOR GENERAL USE.

NOTE- SIDE BOILER CAN ALSO BE HAD IN CAST IRON *to order*.



NOTE.

N^o. 24 CHIMNEY PIECE suits 36"

N^o. 11 Do. do. 32" 38" (See Section II, F e 258

N^o. 23 Do. do. 42" 48" (Do. Do. Do 270

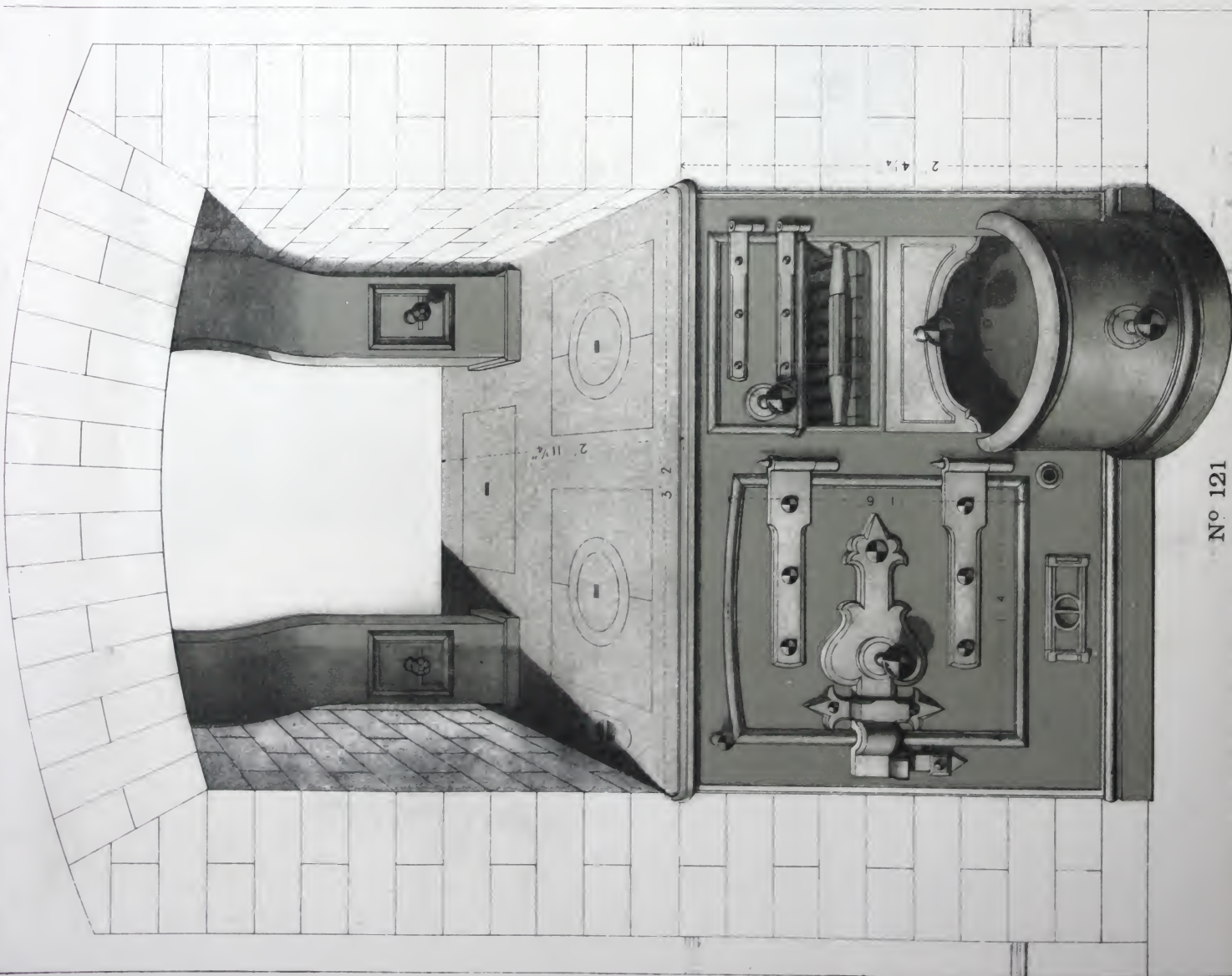
FIRES, 10, 12, AND 14, INCHES.
BOILER OR SHAM SIDES,
11, 12, 13, 15, AND 17 INCHES.

N^o. 24 CHIMNEY PIECE

WITH DOUBLE SHELF.

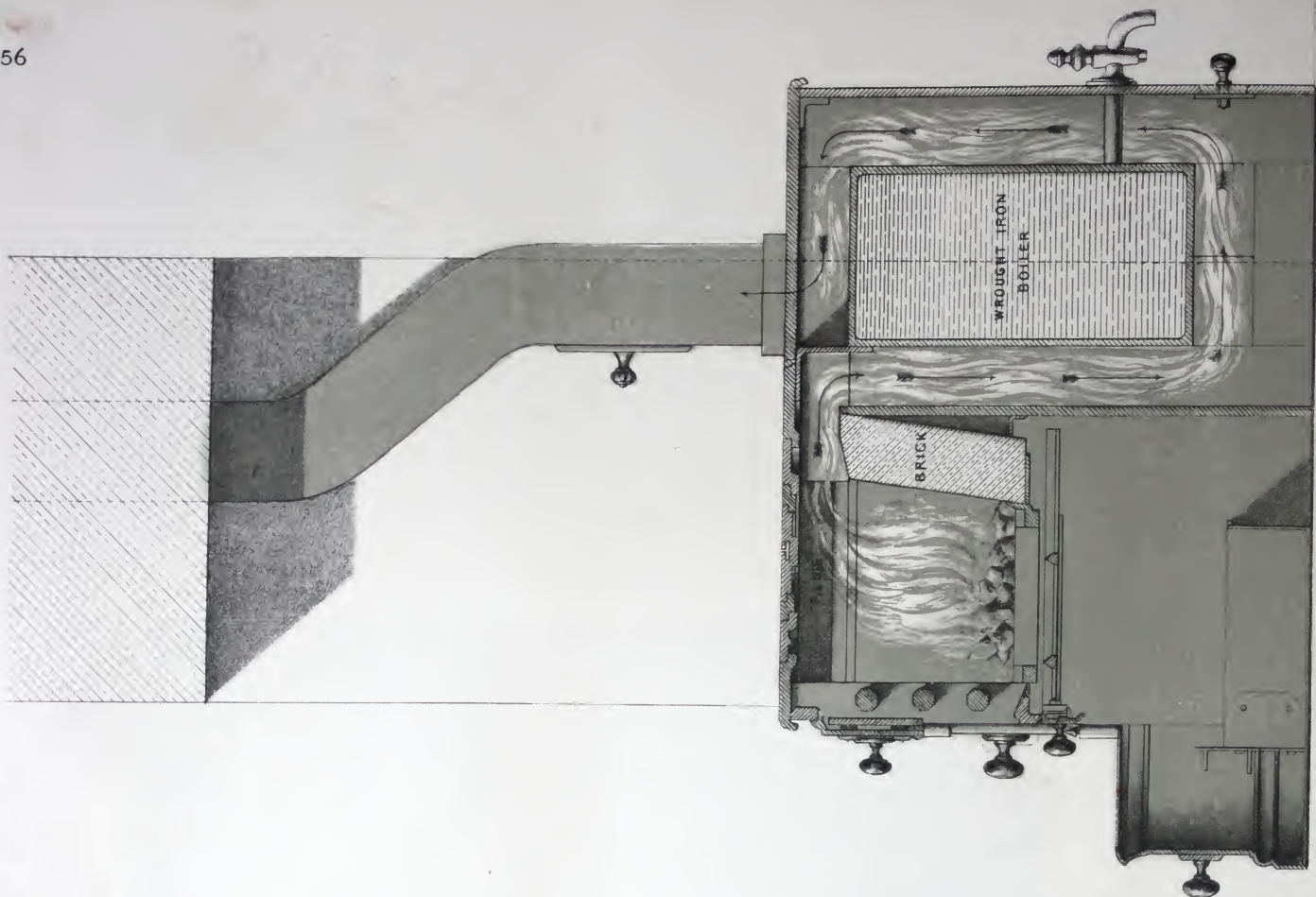
SIZES INSIDE,	24 x 36	30 x 36	36 x 36 INCHES.
	24 x 42	30 x 42	36 x 42 "

IMPROVED STABLE FITTINGS. For other kinds of RANGES see our SECTION I



No 121

DOUBLE RANGE FOR HARNESS ROOM & KITCHEN WITH WROUGHT BOILER

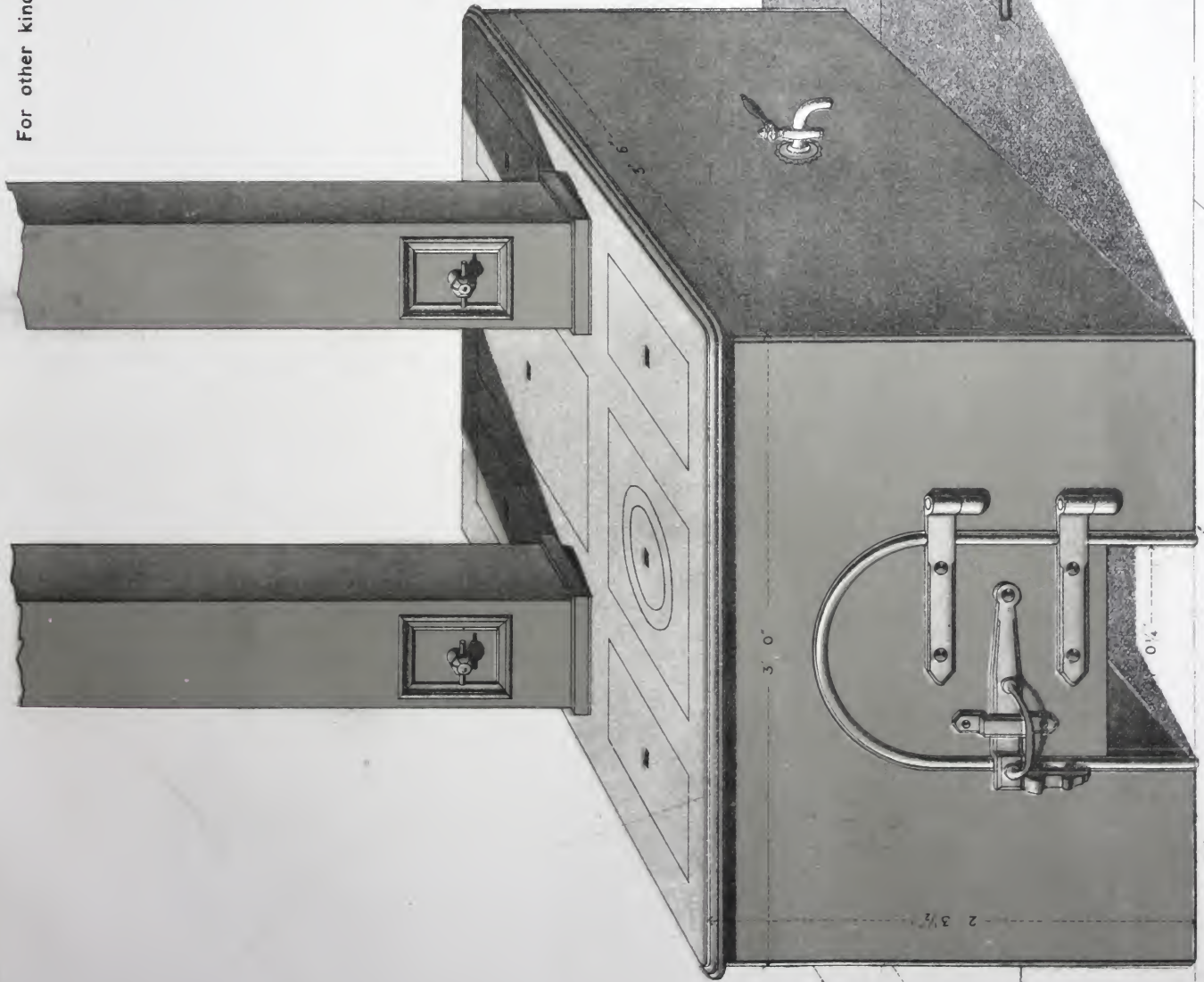


SECTION

SCALE 1/2 INCH = 1 FOOT

IMPROVED STABLE FITTINGS.

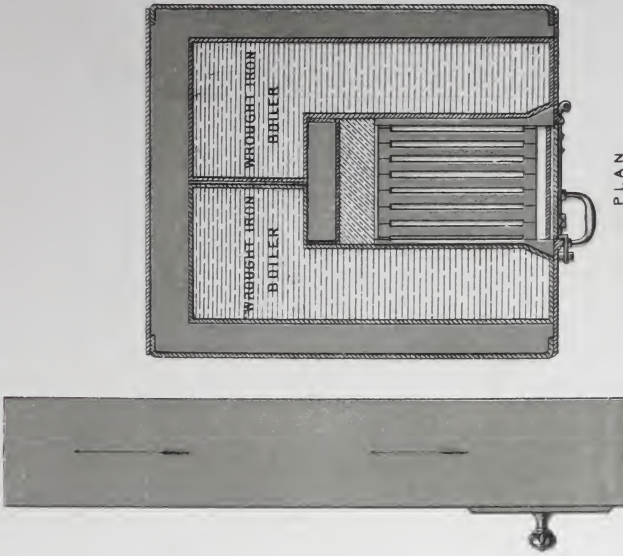
For other kinds of RANGES see our SECTION I



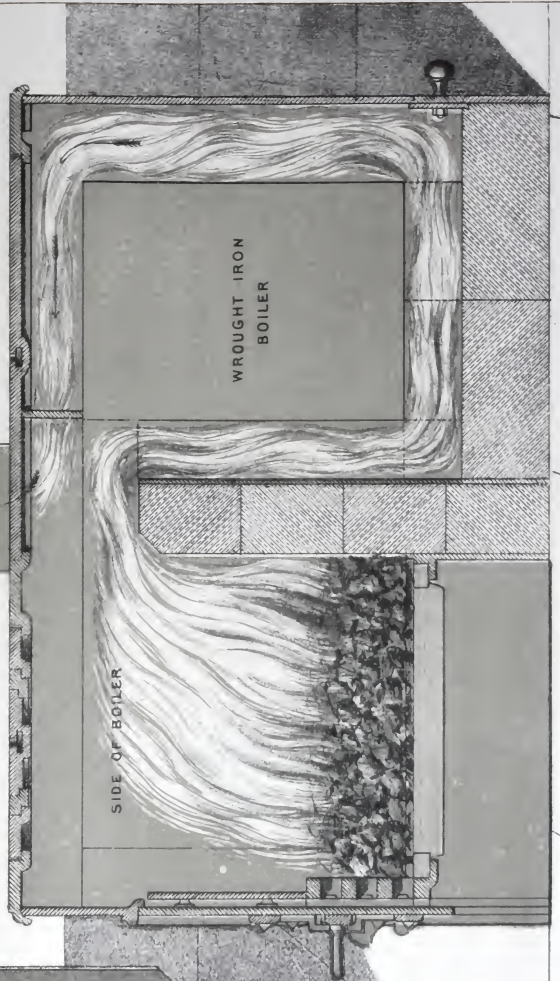
ELEVATION

No 122

HARNESS ROOM RANGE WITH 2 WROUGHT BOILERS



PLAN

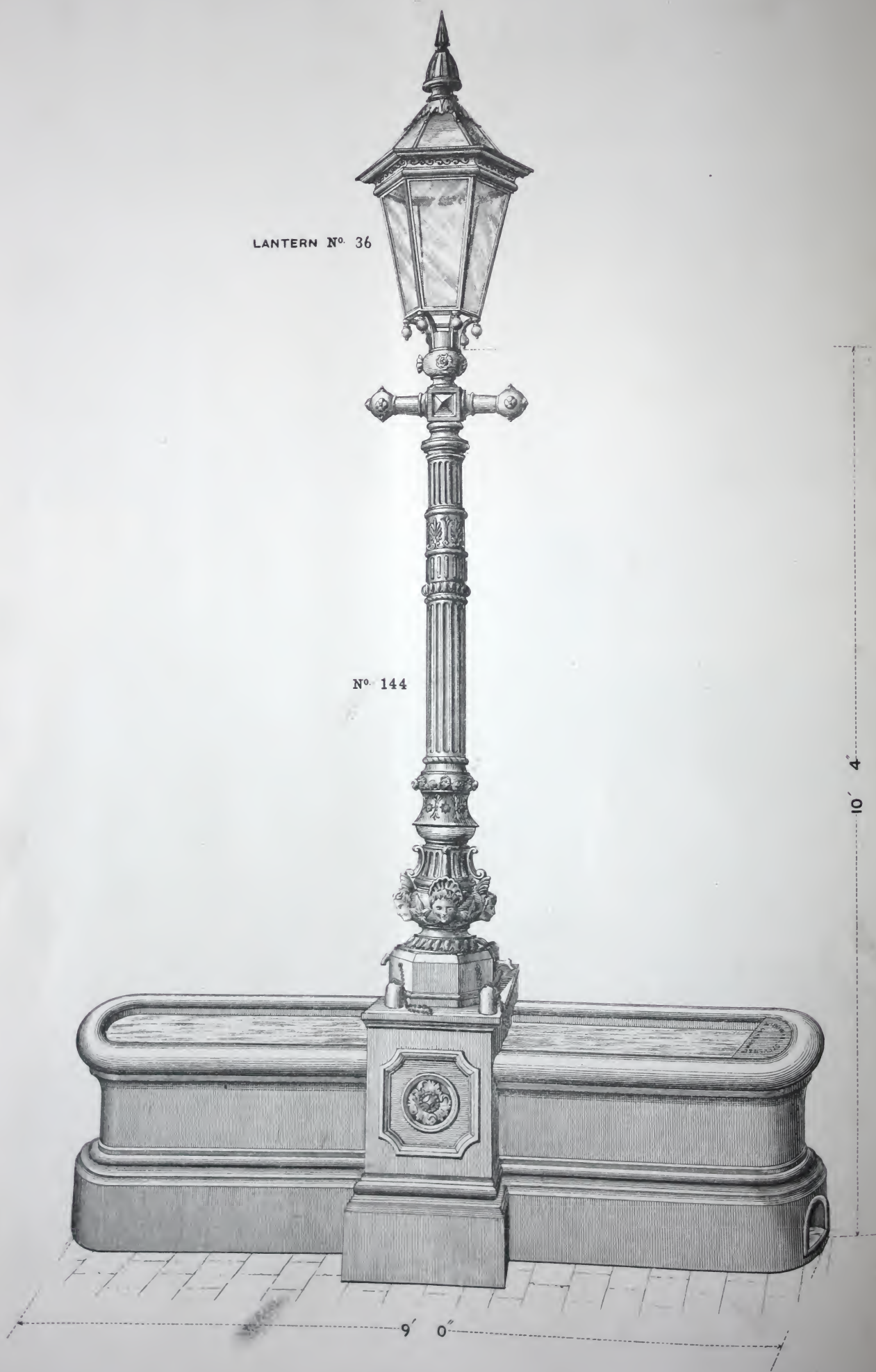


CROSS SECTION

SCALE 1 1/2 INCH = 1 FOOT

IMPROVED STABLE FITTINGS.

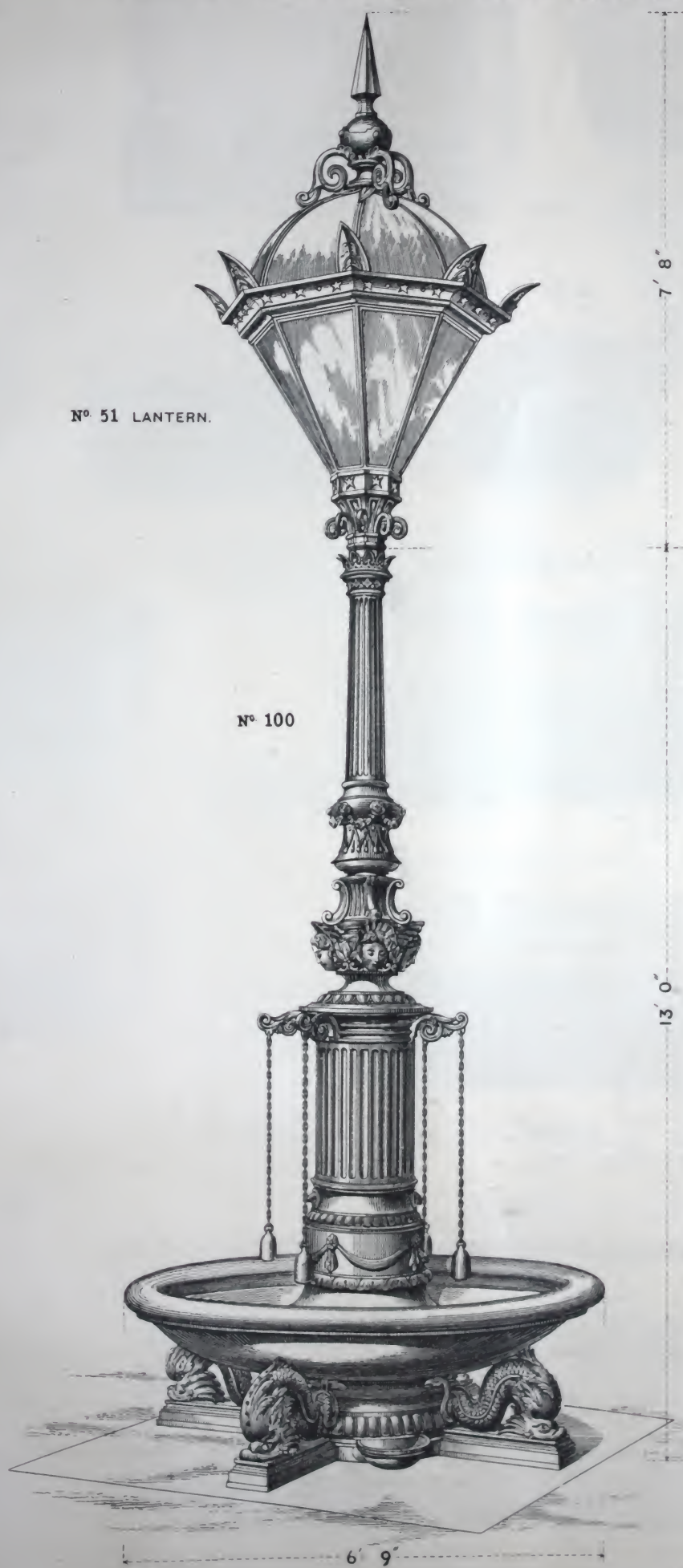
LAMP POST WITH LANTERN, FOUNTAINS AND HORSE AND DOG TROUGHS.



IMPROVED STABLE FITTINGS.

2259

LAMP POST WITH LANTERN, FOUNTAINS AND HORSE AND DOG TROUGHS.
ERECTED AT BEACONSFIELD, SOUTH AFRICA.



IMPROVED STABLE AND CATTLE FITTINGS.

WATER TROUGHS.

2260

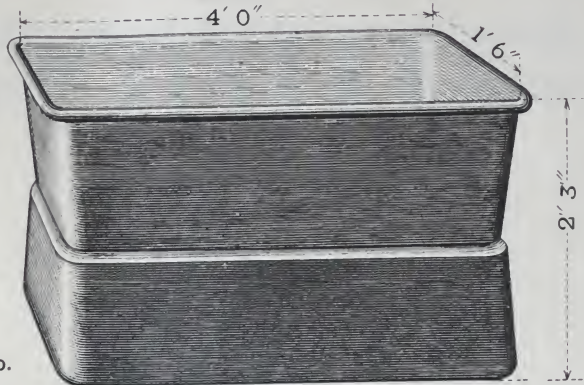
N^o 1

Can also be made with Outlet in Bottom for Brass Plug and Washer, or Plug and Overflow, as Kitchen Sink.



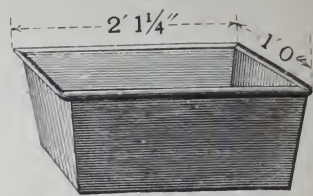
Sizes, 2' 0", 2' 6", 3' 0", 3' 6", 4' 0", 4' 6", 5' 0", 6' 0", 7' 0", and 8' 0" x 1' 6" wide x 1' 2" deep. 3' 0" and 4' 0" x 1' 6" wide x 1' 6" deep. 2' 6" x 1' 7" x 11" deep.

N^o 23



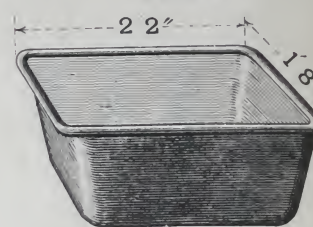
Trough, 14" deep.
Can also be had 18" deep.

N^o 10



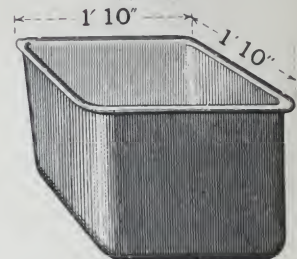
10" deep.

N^o 24



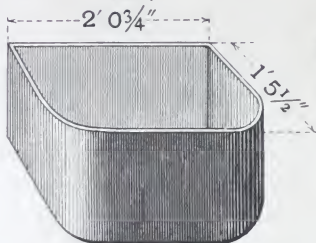
10" deep.

N^o 12



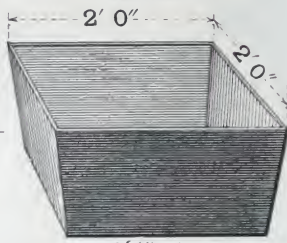
1' 3 1/2" deep.

N^o 9



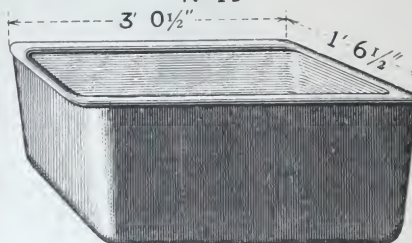
11" deep.

N^o 25



11 5/8" deep.

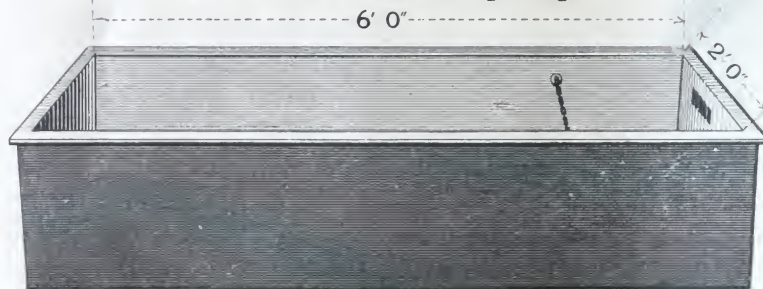
N^o 11



1' 3" deep.

N^o 20

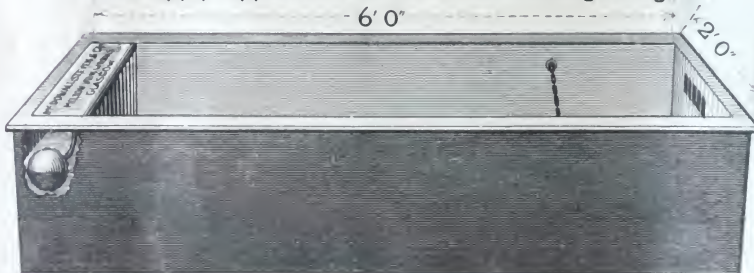
with Overflow and Discharge Plug,



16" deep.

N^o 21

with Supply Apparatus. Overflow and Discharge Plug,



16" deep.

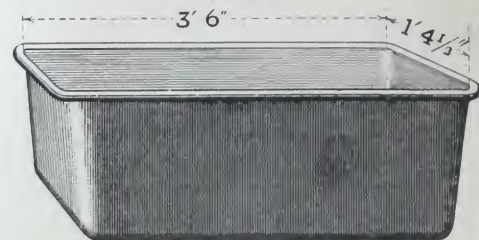
N^o 21 Trough is complete with Water Supply Apparatus, which is self-acting and enclosed. It is also provided with an Overflow and Discharge Hole, with Plug and Chain. Can be had other sizes, to Order.

N^o 6

HORSE TROUGH, with Dog Trough in Base, 6' 0" and 8' 0" long. Can also be supplied without Iron Base.

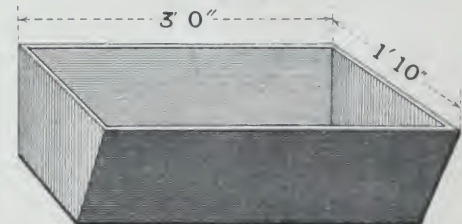


N^o 26



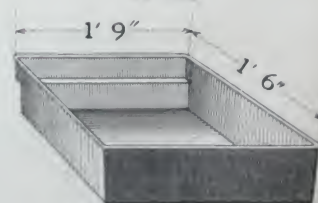
15" deep.

N^o 27



12" deep.

N^o 28



6" deep.

N^o 30



6 3/4" deep.

Our N^o 6 Horse Troughs are furnished with Self-acting Valves, insuring a constant supply of fresh water. It is supported on an iron base, having a Dog Trough at end, supplied by overflow from Cattle Trough; the whole being complete and ready for attaching to the Main

IMPROVED STABLE AND CATTLE FITTINGS.

For complete assortment of FURNACE FITTINGS, &c., see our Catalogues of PLUMBING AND SANITARY CASTINGS, SECTION III.; and IMPROVED HOT-WATER APPLIANCES, SECTION VI.

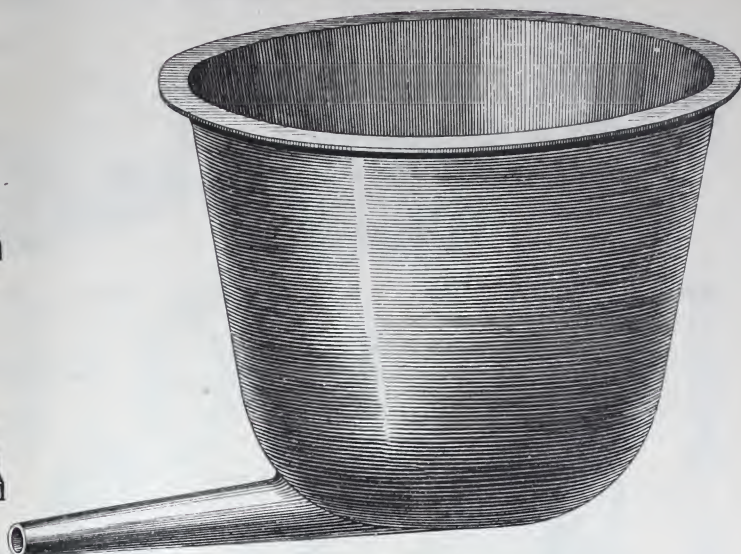
2261

PORTABLE BOILER



Sizes, 8, 10, 12, 14, 16, 18, 20, and 25 Gallons Imperial. Draw-off Cocks, Hinged Galvanized Covers, and Galvanized Collanders, to Order.

FURNACE PAN OR BOILER, with Spout.



N^o 293 DEAD PLATE.



any Size to Order.

N^o 295 CHECKED DEAD PLATE.



any Size, to Order.

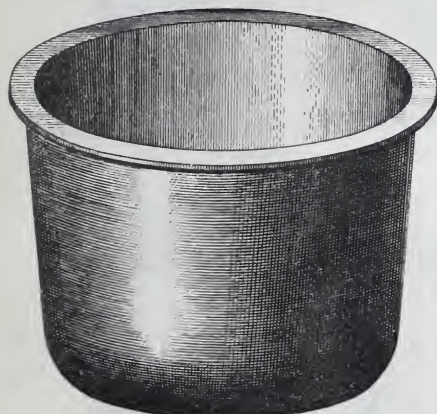
N^o 290 W. S. FURNACE BAR.



Sizes, 12', 14', 16', 18', 20', 22', 24', 26', 28', and 30' long.

Enlarged 6 to 100 Gallons, and with Spouts 20 to 100 Gallons, others to Order. Old Wine Measure can be had 150 and 200 Gallons, and with Spouts, to Order.

FURNACE PAN OR BOILER,



Enlarged, 6 to 100 Gallons. Old Wine Measure, 150 and 200 Gallons.

N^o 292 FURNACE BAR.



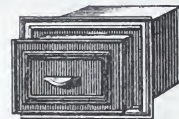
Sizes, 12", 14", 16", $\times 3\frac{1}{2}" \times \frac{3}{4}"$
" 18", 20", 22", $\times 4" \times \frac{7}{8}"$
" 24", 26", 28", $\times 4\frac{1}{2}" \times 1"$
30", 32", 34", 36", $\times 5" \times 1\frac{1}{8}"$

BEARERS



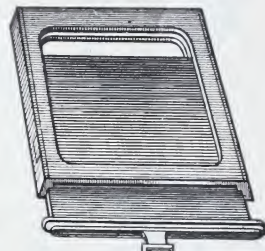
BROAD.	LONG.	THICK.
Sizes, $1\frac{1}{4}" \times 12"$, 13", 14", 15", & 16"		$\times 1\frac{1}{4}"$.
" $1\frac{1}{2}" \times 12"$, 13", 14", 15", 16", 17", & 18"		$\times 1\frac{1}{4}"$.
" $2\frac{3}{8}" \times 13"$, 15", 17", & 19"		$\times 1\frac{1}{4}"$.

N^o 264 SOOT BOX AND FRAME.



Sizes, $4\frac{1}{2}" \times 4"$
" $6" \times 4"$
" $9" \times 6"$

N^o 321 DAMPER AND FRAME. COMMON.



Size of Opening

N ^o .	Size	N ^o .	Size
0,	$4" \times 5"$.	4,	$8\frac{1}{4}" \times 9\frac{1}{2}"$.
1,	$5" \times 6"$.	5,	$9\frac{1}{4}" \times 10\frac{1}{2}"$.
2,	$6\frac{1}{2}" \times 7\frac{1}{2}"$.	6,	$10" \times 12"$.
3,	$7\frac{1}{4}" \times 8\frac{1}{4}"$.		



FURNACE PAN can be had with BOSS, WROT. PIPE and BRASS TAP, to Order.

FURNACE GRATE.



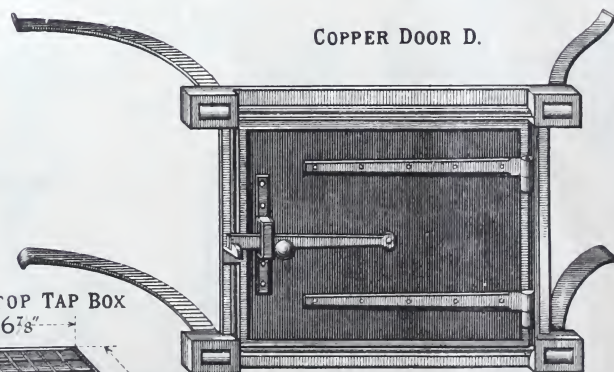
Sizes,

6" x 9"	8" x 12"	10" x 16"	14" x 22"
6" x 11"	8" x 14"	10" x 18"	15" x 24"
7" x 10"	9" x 13"	11" x 16"	16" x 18"
7" x 11"	9" x 15"	12" x 18"	18" x 18"
7" x 12"	10" x 14"	14" x 16"	

FURNACE DOOR C



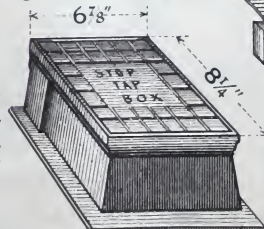
Sizes of Openings 6", 7", 8", 9", 10", 12", and 14"



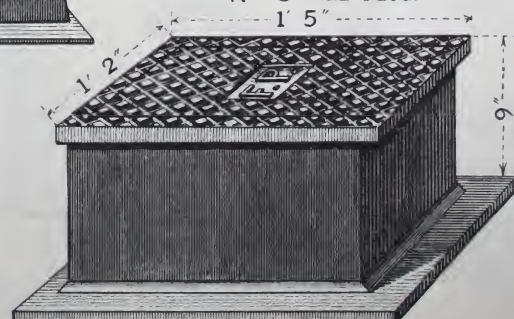
COPPER DOOR D.

Width of Doors, 7", 8", 9", 10", 11", 12", 13", and 14"

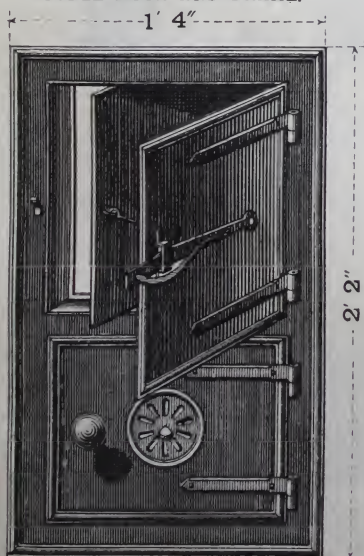
N^o 5 STOP TAP BOX



N^o 5 FIRE PLUG.



N^o 282 DOUBLE DOOR AND FRAME.

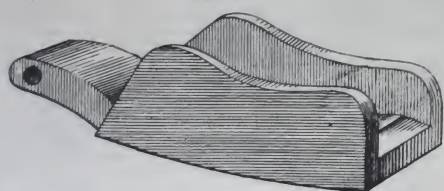


Sizes, 1' 2" x 2' 0"
1' 4" x 2' 2"

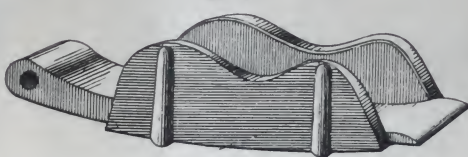
IMPROVED STABLE AND CATTLE FITTINGS. SKID IRONS, CART BOXES, SCALE WEIGHTS, &C.

SKID IRONS.

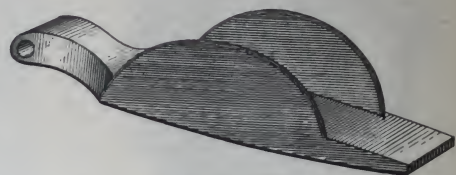
No. 1



No. 2



No. 3



Sizes, $1\frac{1}{4}$ " $1\frac{1}{2}$ " $1\frac{3}{4}$ " 2" $2\frac{1}{4}$ " $2\frac{1}{2}$ " 3" 4" 5" and 6" Sizes, 2" $2\frac{1}{4}$ " $2\frac{1}{2}$ " $2\frac{3}{4}$ " and 3"

Sizes 2" $2\frac{1}{4}$ " $2\frac{1}{2}$ " 3" $3\frac{1}{2}$ "

CART BOXES OR BUSHES.

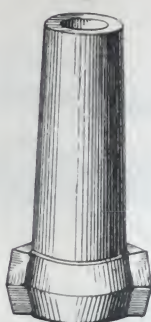
C.



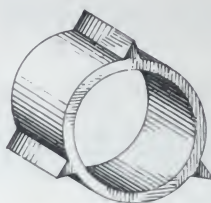
I.



E.



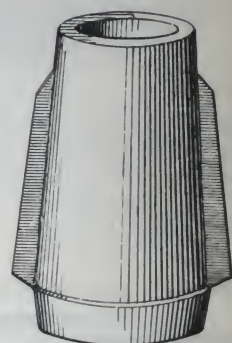
K.



M.



N.



CLOCK WEIGHTS.

No. 1



No. 2



No. 3



SASH WEIGHTS.

Round

SASH WEIGHT
COLLAR.

1 lb } $1\frac{1}{8}$ " Dia
 $\frac{3}{4}$ " }
 $\frac{1}{2}$ " }
 $\frac{1}{2}$ lb - $1\frac{3}{4}$ " Dia

Square.



TEA URN HEATERS.

No. 1



No. 2



DUMB BELL.



From 2 to 14 lbs.

SCALE WEIGHTS.

BELL SHAPED.

FLAT.



1 and 2 oz.
 $\frac{1}{4}$, $\frac{1}{2}$, 1, 2, 3 and 4 lbs

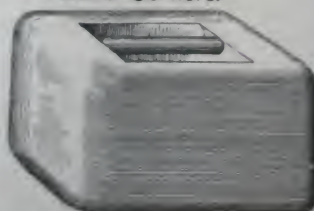


56 lbs.

BAR HANDLED.



$\frac{1}{4}$, $\frac{1}{2}$, 1, 2, 3, 4, 7, 14,
28, 56, and 112 lbs.

BAR HANDLED.
Round Corners.

56 lbs.

RINGED.



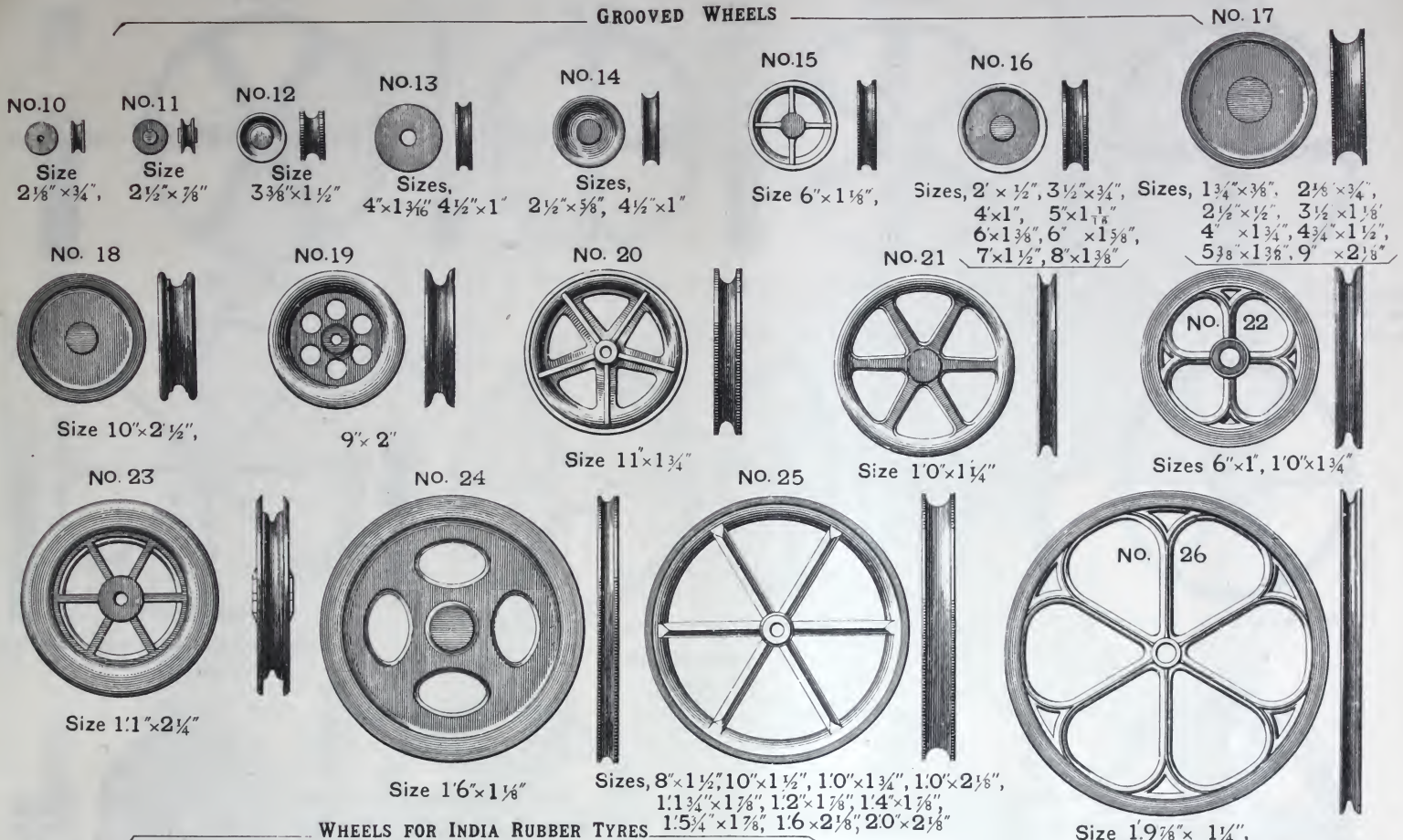
$\frac{1}{4}$, $\frac{1}{2}$, 1, 2, 4, 7,
14, 28, and 56 lbs.

IMPROVED STABLE FITTINGS.

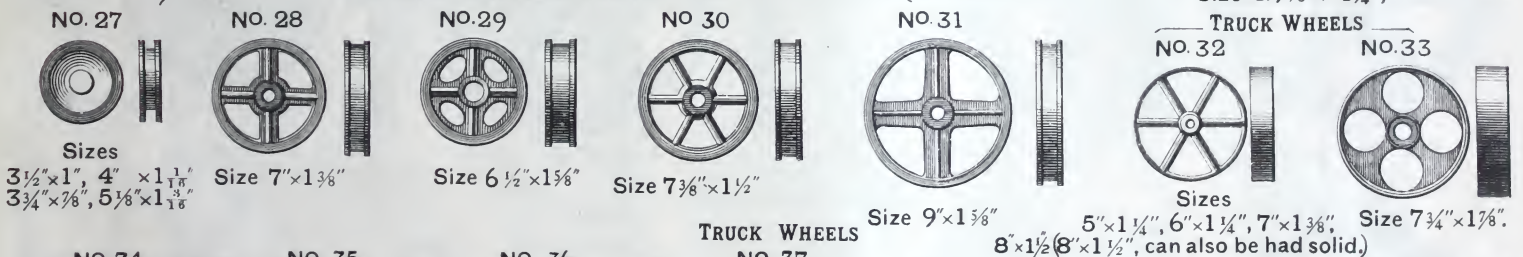
WHEELS

2263

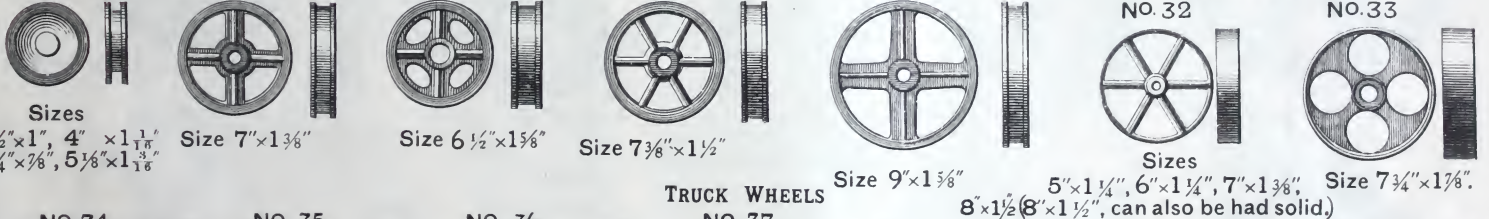
GROOVED WHEELS



WHEELS FOR INDIA RUBBER TYRES

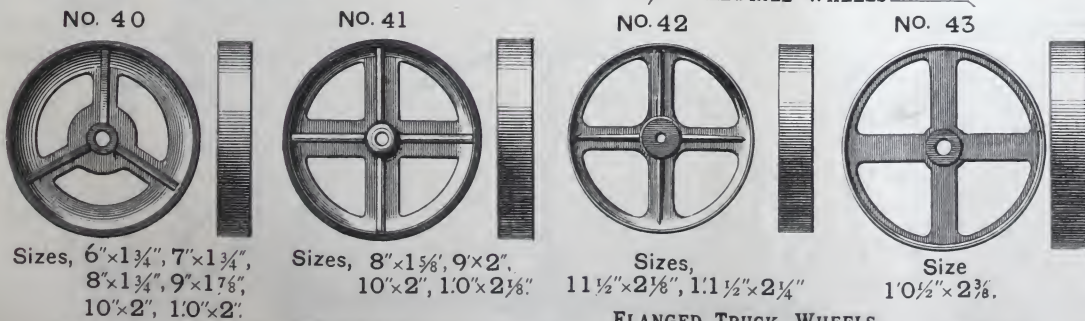


TRUCK WHEELS

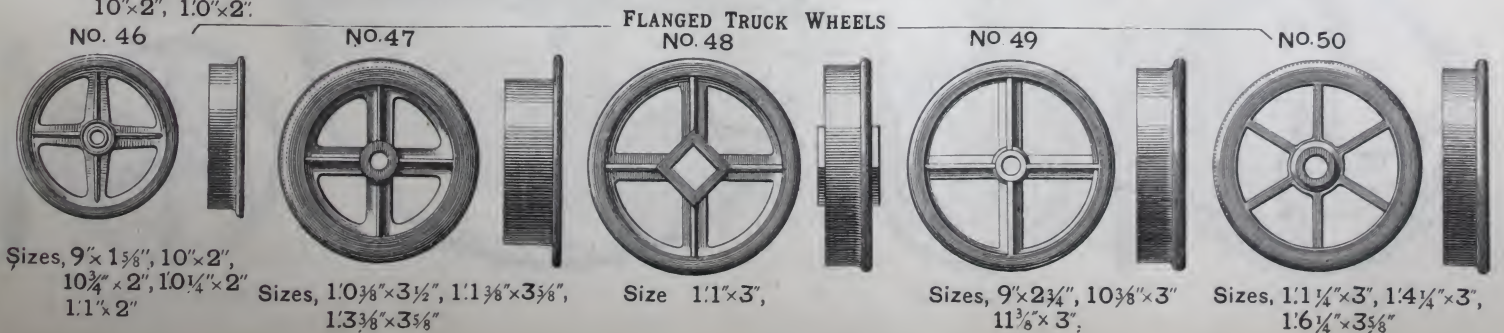


TRUCK WHEELS

DRILL WHEELS



FLANGED WHEELS



IMPROVED STABLE FITTINGS. WHEELS

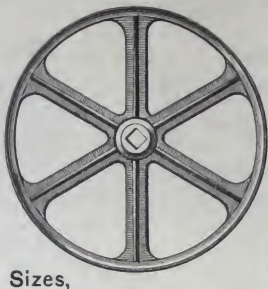
2264

BARROW WHEELS

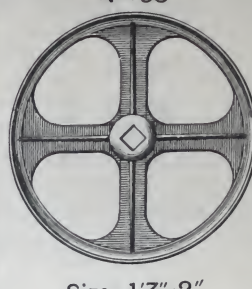
NO. 51



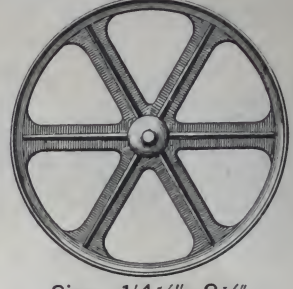
NO. 52



NO. 53



NO. 54



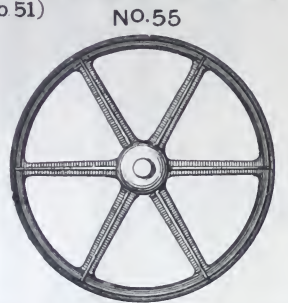
Sizes,

Sizes, 1.0"x2", 1.2"x2 1/4", 1.4"x2 1/4", 1.6"x2 1/8", 1.4"x2 1/8", 1.5" x 2 1/4", 1.6"x2 1/4",
No. 78 with 5 Spokes, 1.4 1/4"x2 1/4", 1.6 1/2"x2 1/4", 1.7"x2 1/4", 1.7 1/2"x2 1/4", 2.0"x2 1/4".
(as No 51)

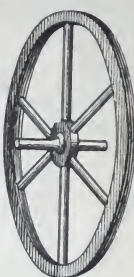
Size 1.3"x2"

Size, 1.4 3/8"x2 1/4".

NO. 59



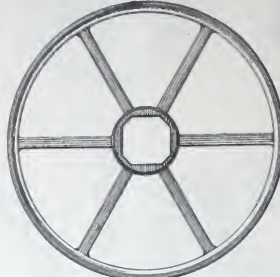
NO. 56



NO. 57



NO. 58



Sizes, 1.3 1/4"x1 1/8", 1.4 1/4"x1 1/8".

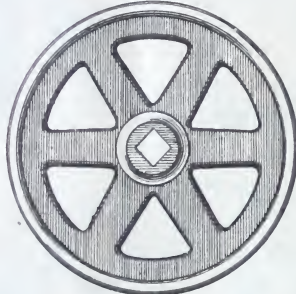
Sizes, 1.4", 1.5", 1.6", 1.7", 1.8"x3/4".

Size 1.4"x5/8".

Size 1.4 3/4"x2 1/4".

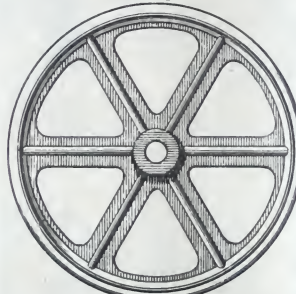
Sizes, 1.8 1/2"x1 3/8", 1.8 1/2"x1 5/8", 1.8 1/2"x1 3/4", 1.8 3/4"x1 3/8".

NO. 60



Size 1.5 3/4"x1 3/4".

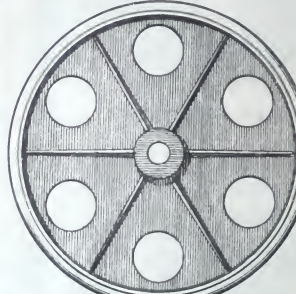
NO. 61



Sizes, 1.4"x2 1/4", 1.6" x 2 1/4".

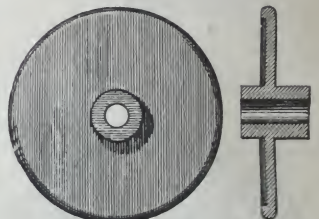
BOGIE WHEELS

NO. 62



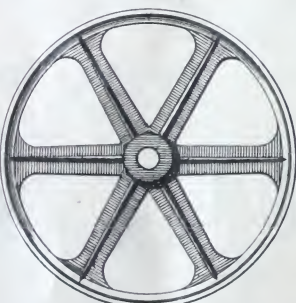
Sizes, 1.6 1/2"x1 7/8"

NO. 63



Sizes, 1.1"x1. Section.

NO. 64



Sizes, 1.6"x3", 1.10"x3", 2.0"x3".

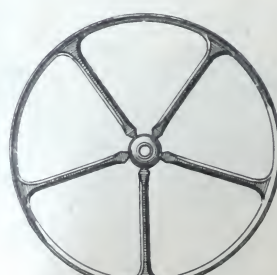
NO. 65



Sizes, 10 3/4"x2 1/8", 1.0 3/4"x2 3/4", 1.7"x2 3/4".

GARDEN ENGINE WHEELS

NO. 66



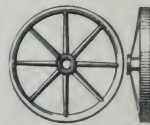
Size 1.4 3/4"x 2 3/4".

NO. 67



Size 11 3/4" x 2 1/2".

NO. 68



Size 6 7/8"x5/8".

NO. 69



Size 8"x3/4".

LAY HEAD WHEELS

NO. 70



Sizes, 5"x3/4", 6 1/4"x5/8".

NO. 71



Size 8"x1 1/8".

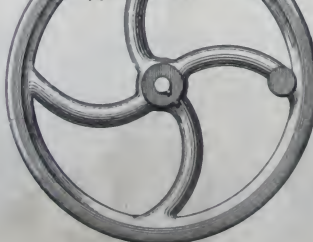
NO. 72



Size 9"x1 1/8".

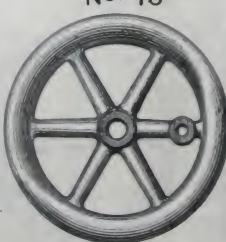
MANGLE FLY WHEEL

NO. 75



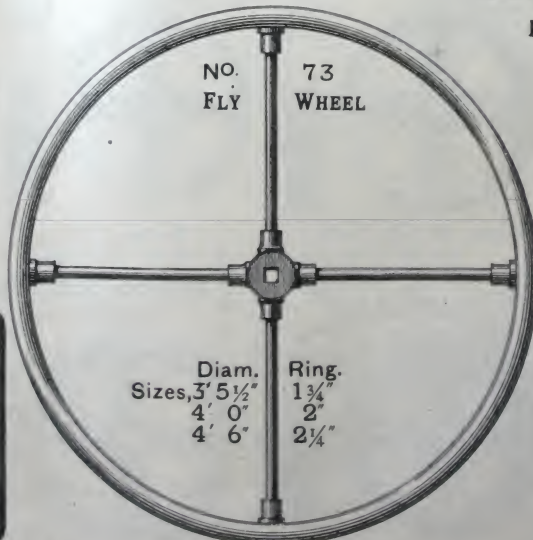
Size 1.7"x1 1/4".

NO. 76



Size 1.1 3/4"x1 5/8".

NO. 73
FLY WHEEL



Sizes, Diam. 3' 5 1/2", 4' 0", 4' 6"
Ring. 1 3/4", 2", 2 1/4"

FANNER WHEEL AND PINION



Size 1.1 x 3/4".

NO. 77

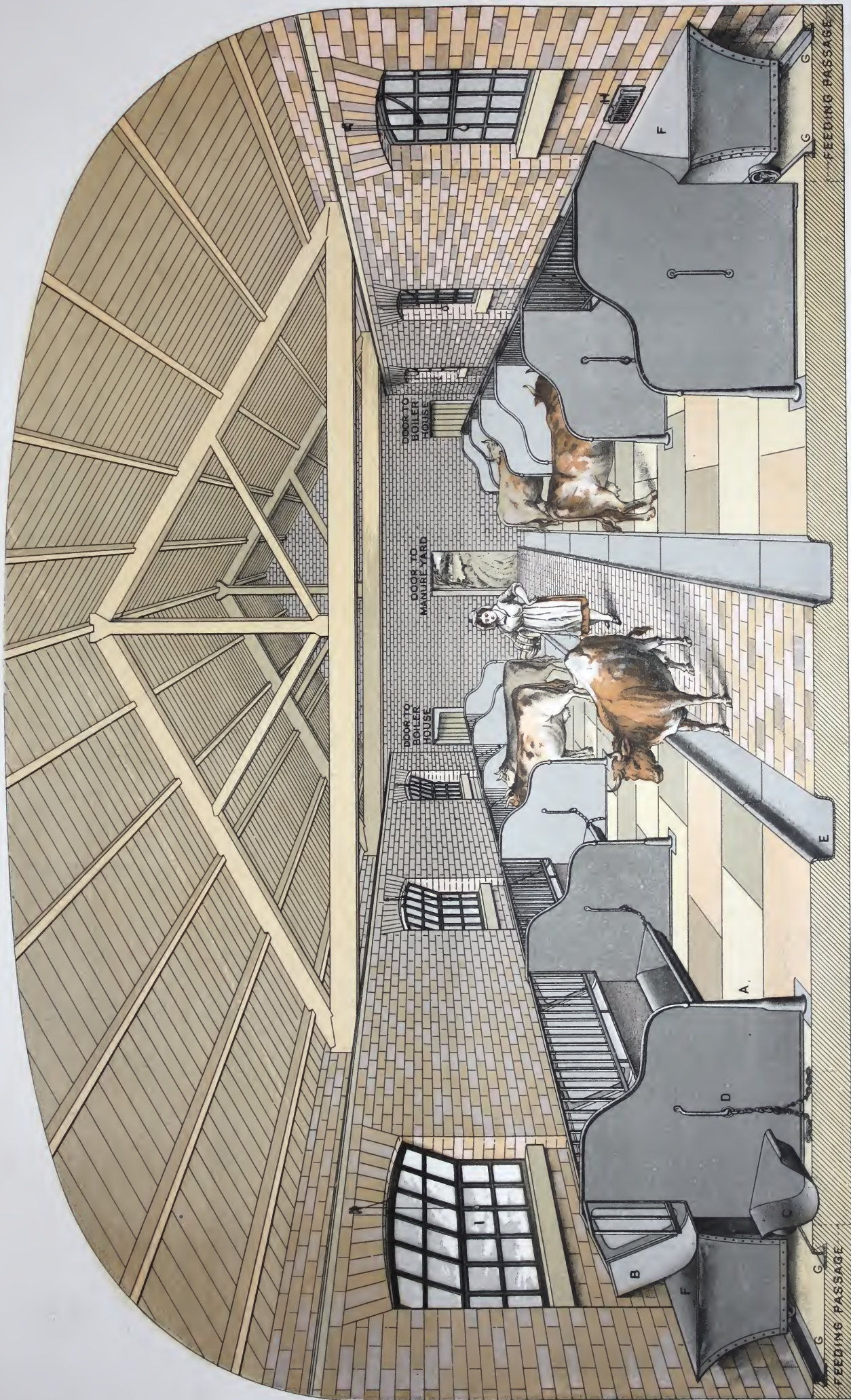


Size 1.1 3/4"x1 1/4".

IMPROVED CATTLE FITTINGS.

EXAMPLE OF COW-HOUSE SHOWING TWO RANGES OF STALLS WITH FEEDING PASSAGE UP EACH SIDE.

For Plan of this Cow House, see Page 2271



A NO. 3 DIVISION, with Rods for binding Chains.
B NO. 20 RACK.
C NO. 5 TROUGH.

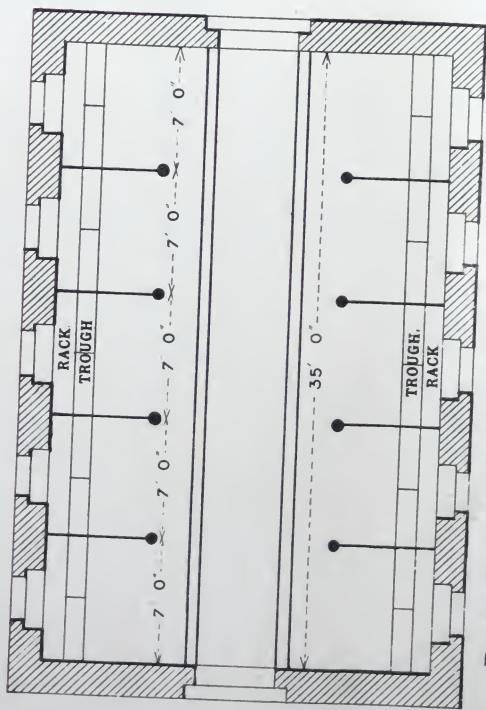
D NO. 5 CHAIN.
E NO. 20 BYRE GUTTER.
F NO. 50 FEEDING TROUGH

G NO. 1 BYRE RAILS.
H NO. 101 VENTILATOR.
I NO. 121 WINDOW.

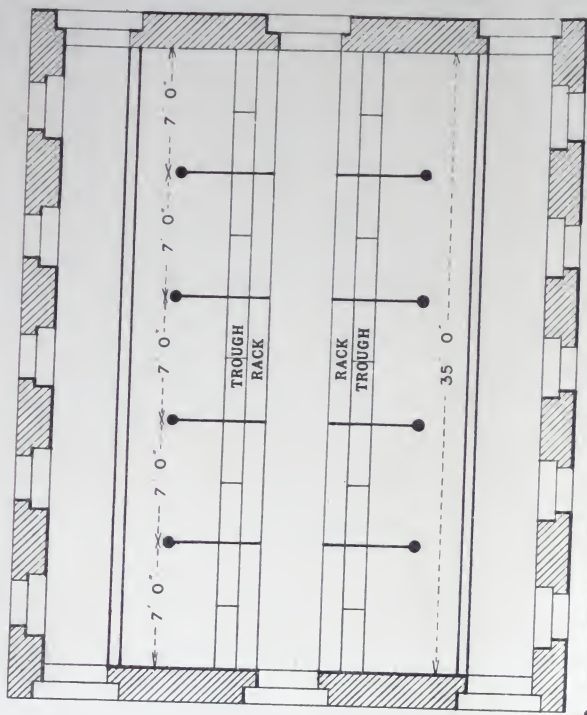
IMPROVED CATTLE FITTINGS.

PLANS OF COW HOUSES

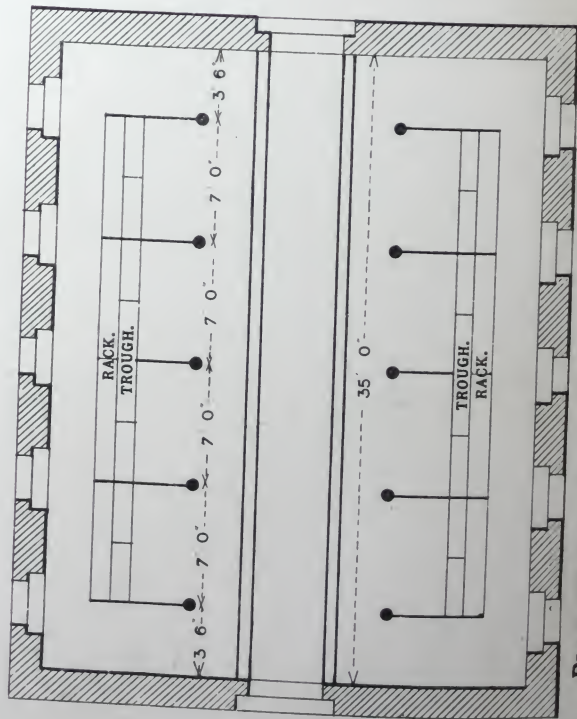
In ordering it is desirable to give sketches with dimensions, say as under:—



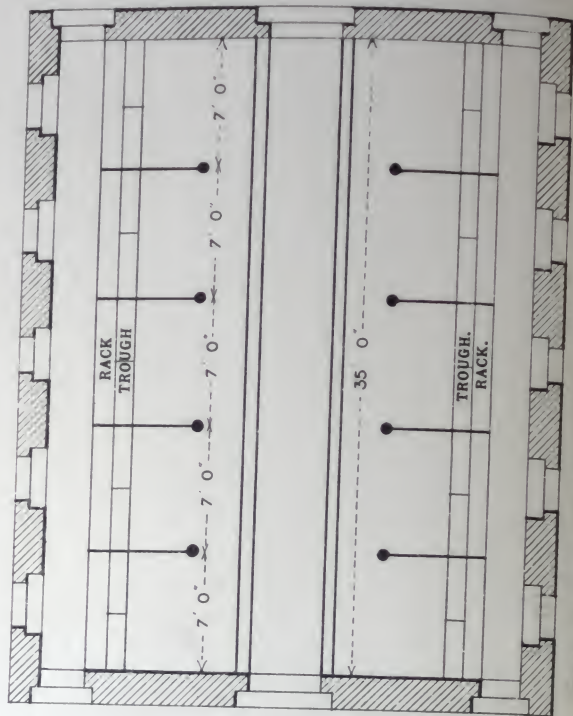
PLAN SHOWING ARRANGEMENT OF STALLS WITHOUT FEEDING PASSAGES.



PLAN SHOWING FEEDING PASSAGES THROUGH MIDDLE OF BUILDING, AND SEPARATE ENTRANCES AT SIDES FOR CATTLE.

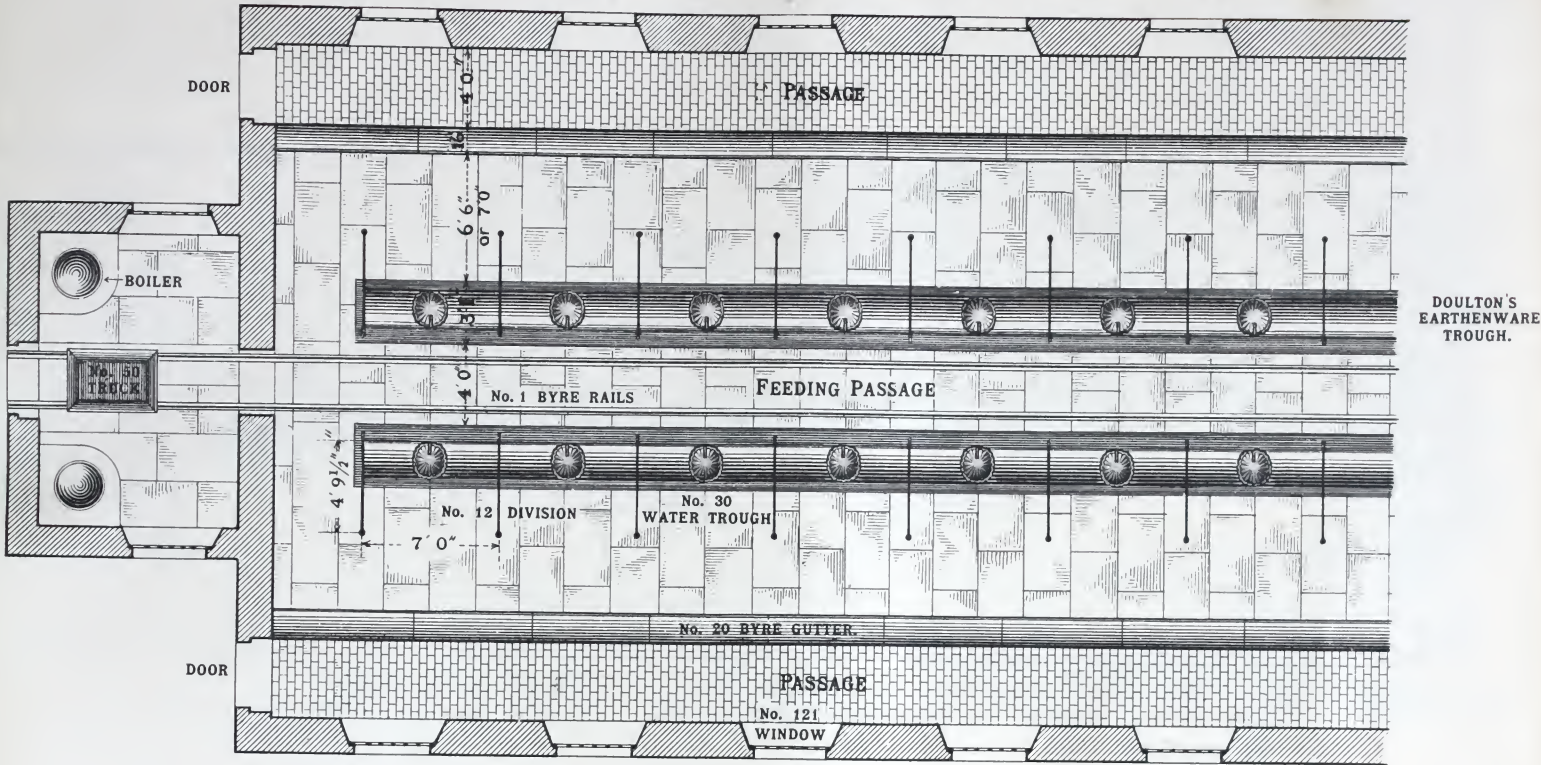


PLAN SHOWING FEEDING PASSAGES AT SIDES OF BUILDING, WITH ENTRANCES AT ENDS OF STALLS.

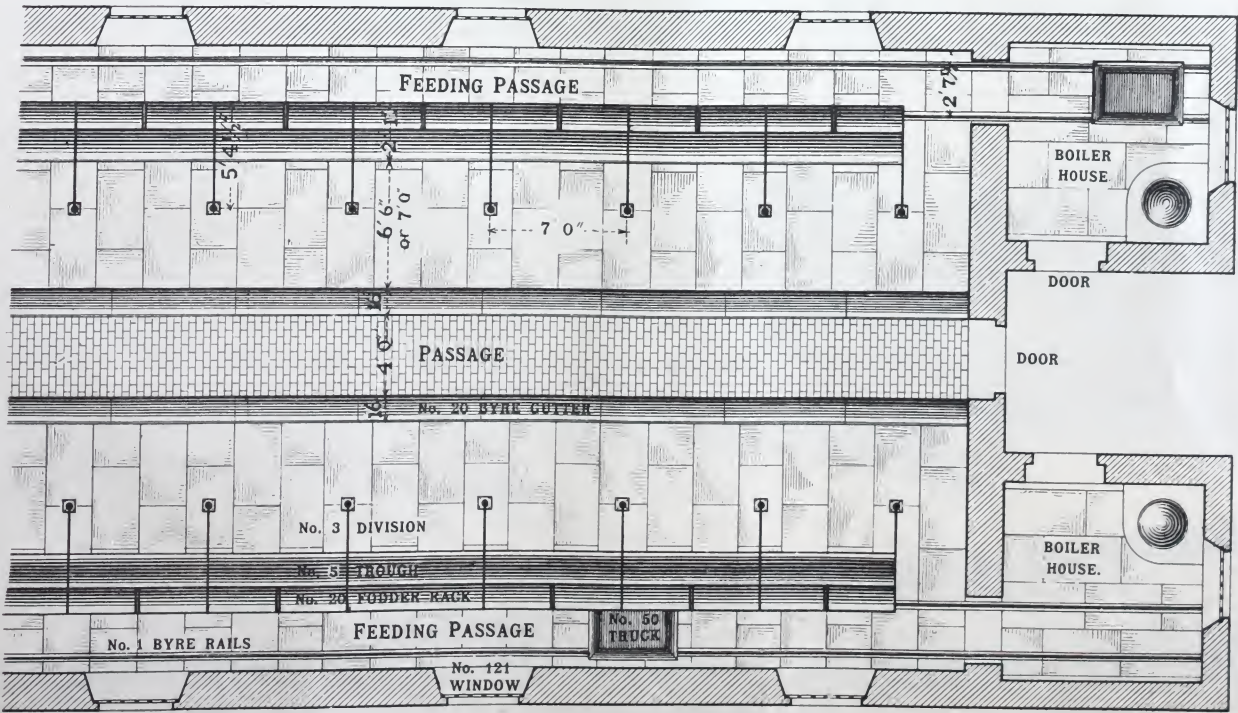


PLAN SHOWING PASSAGES AT ENDS OF STALLS.

PLAN OF COW HOUSE AS ILLUSTRATED ON PAGE 2277
SHOWING TWO RANGES OF STALLS, WITH FEEDING PASSAGE IN CENTRE.

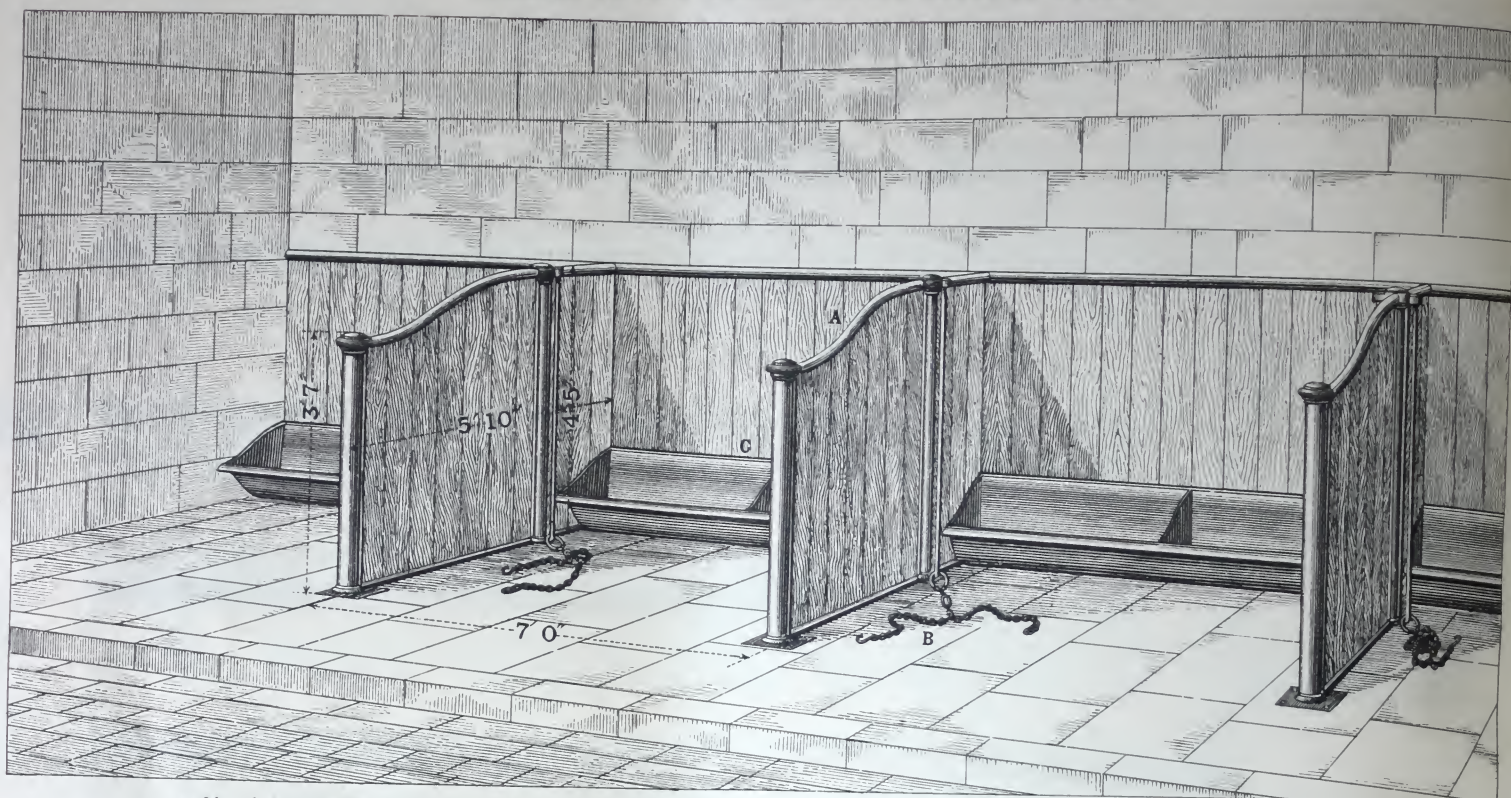


PLAN OF COW HOUSE AS ILLUSTRATED ON PAGE 2267
SHOWING TWO RANGES OF STALLS, WITH FEEDING PASSAGES NEXT WALL.



IMPROVED CATTLE FITTINGS.

EXAMPLE OF COW HOUSE SHOWING RANGE OF STALLS

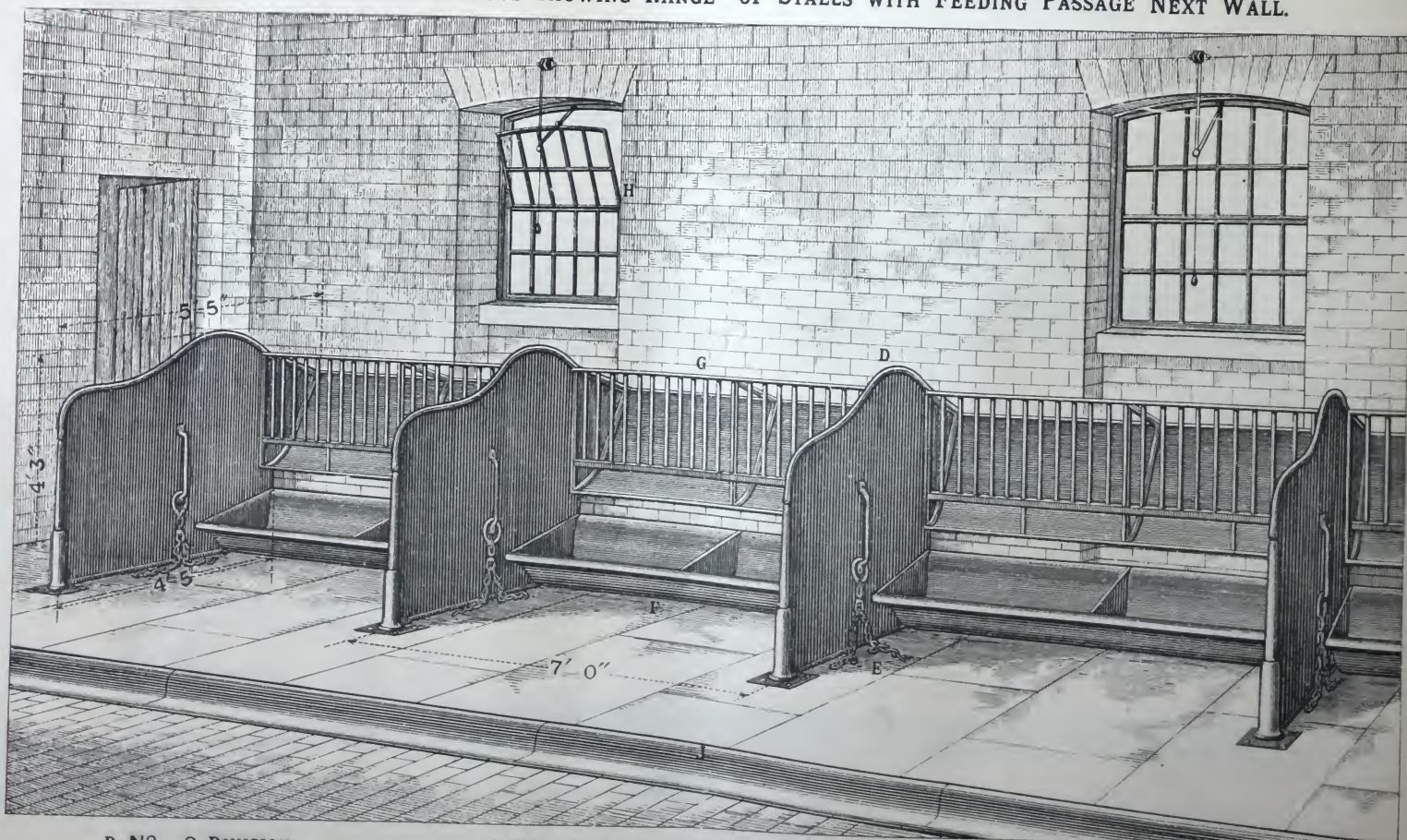


A No. 1 DIVISION, consisting of Heel and Shoulder Posts, Wrought Iron Tie Rods. Top and Bottom Rails prepared for $1\frac{3}{8}$ " Wood.

B No. 6 BINDING CHAIN.

C No. 2 TROUGH, with Division in Centre.

EXAMPLE OF COW HOUSE SHOWING RANGE OF STALLS WITH FEEDING PASSAGE NEXT WALL.



D No. 2 DIVISION.

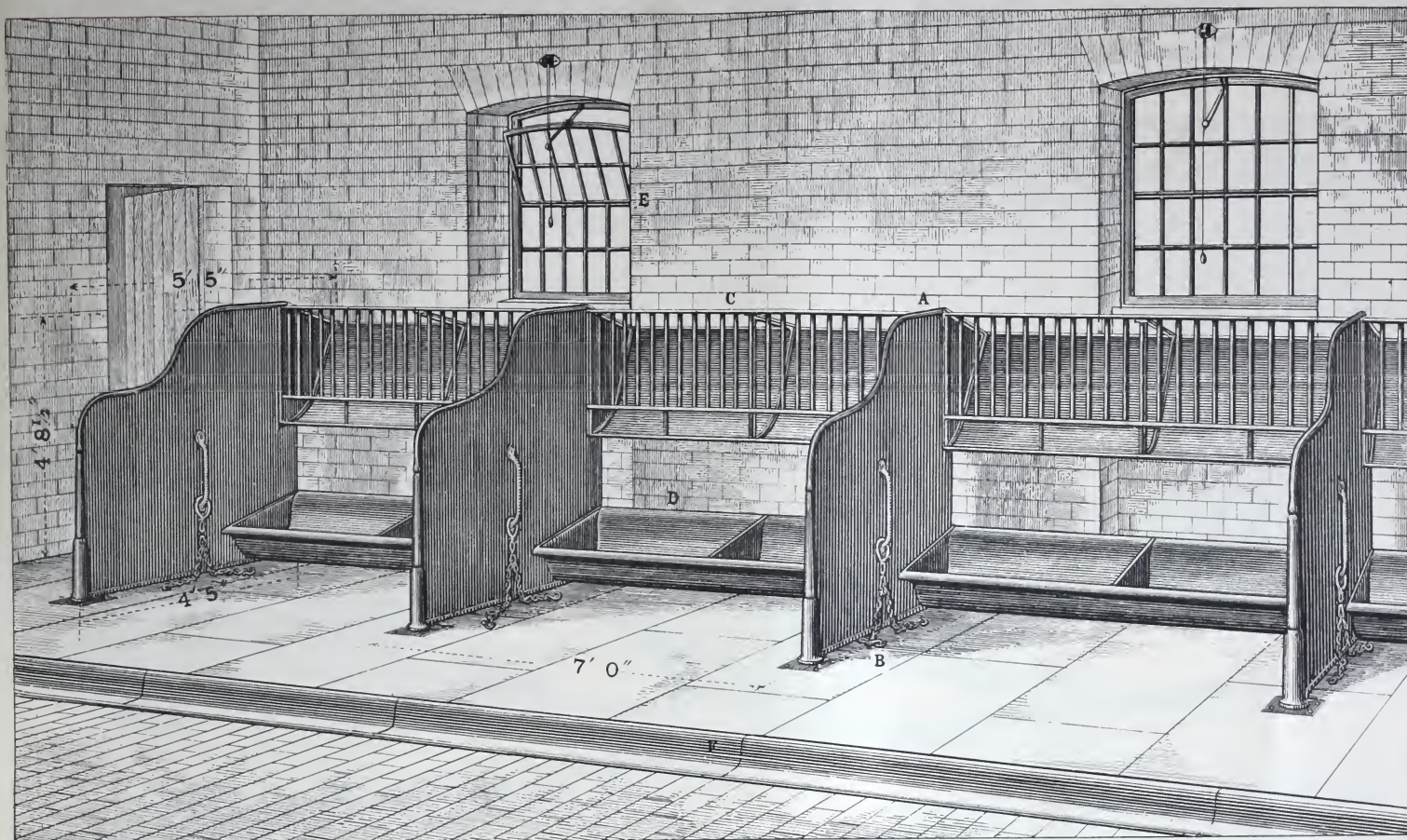
E No. 6 BINDING CHAIN

F No. 5 TROUGH, with Division in centre.
G No. 20 RACK

H No. 121 WINDOW.

J No. 20 BYRE GUTTER.

EXAMPLE OF COW HOUSE SHOWING RANGE OF STALLS WITH FEEDING PASSAGE NEXT WALL.



A N^o. 3 DIVISION.

B N^o. 6 BINDING CHAIN.

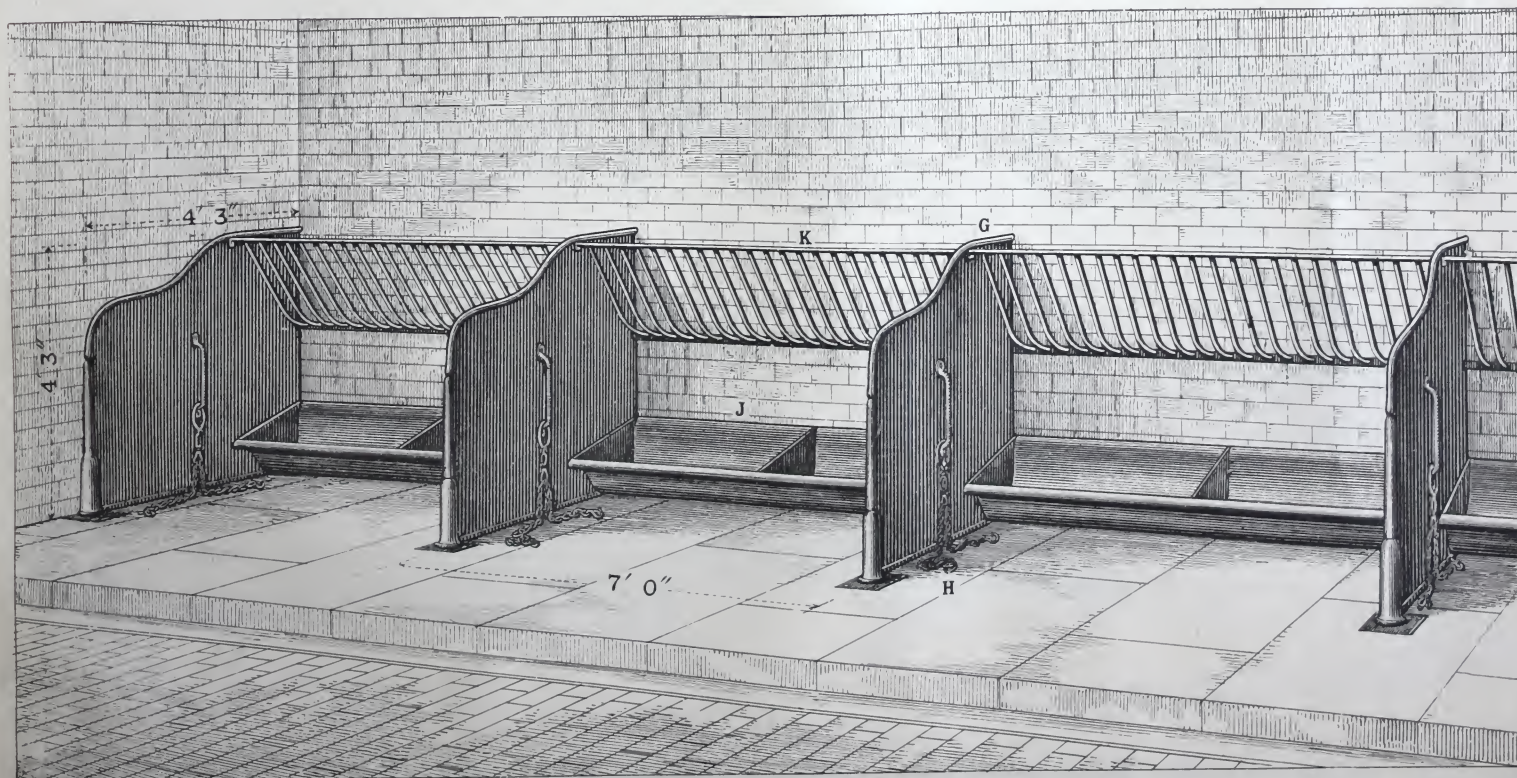
C N^o. 20 RACK.

D N^o. 5 TROUGH, with Division in centre.

E N^o 121 WINDOW.

F N^o. 20 BYRE GUTTER.

EXAMPLE OF COW HOUSE SHOWING RANGE OF STALLS



G N^o. 4 DIVISION.

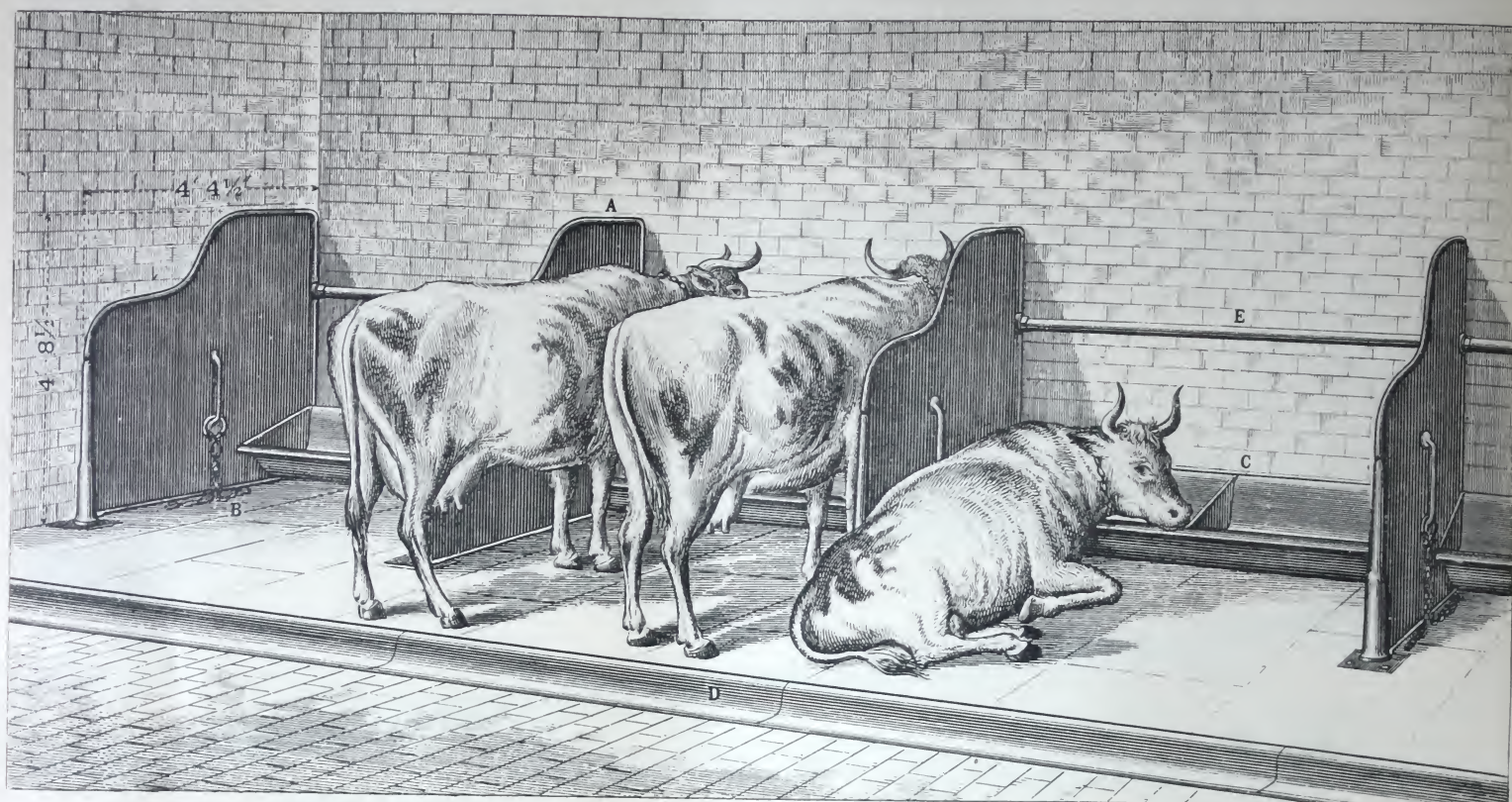
H N^o. 6 BINDING CHAIN.

J N^o. 5 TROUGH, with Division in centre.

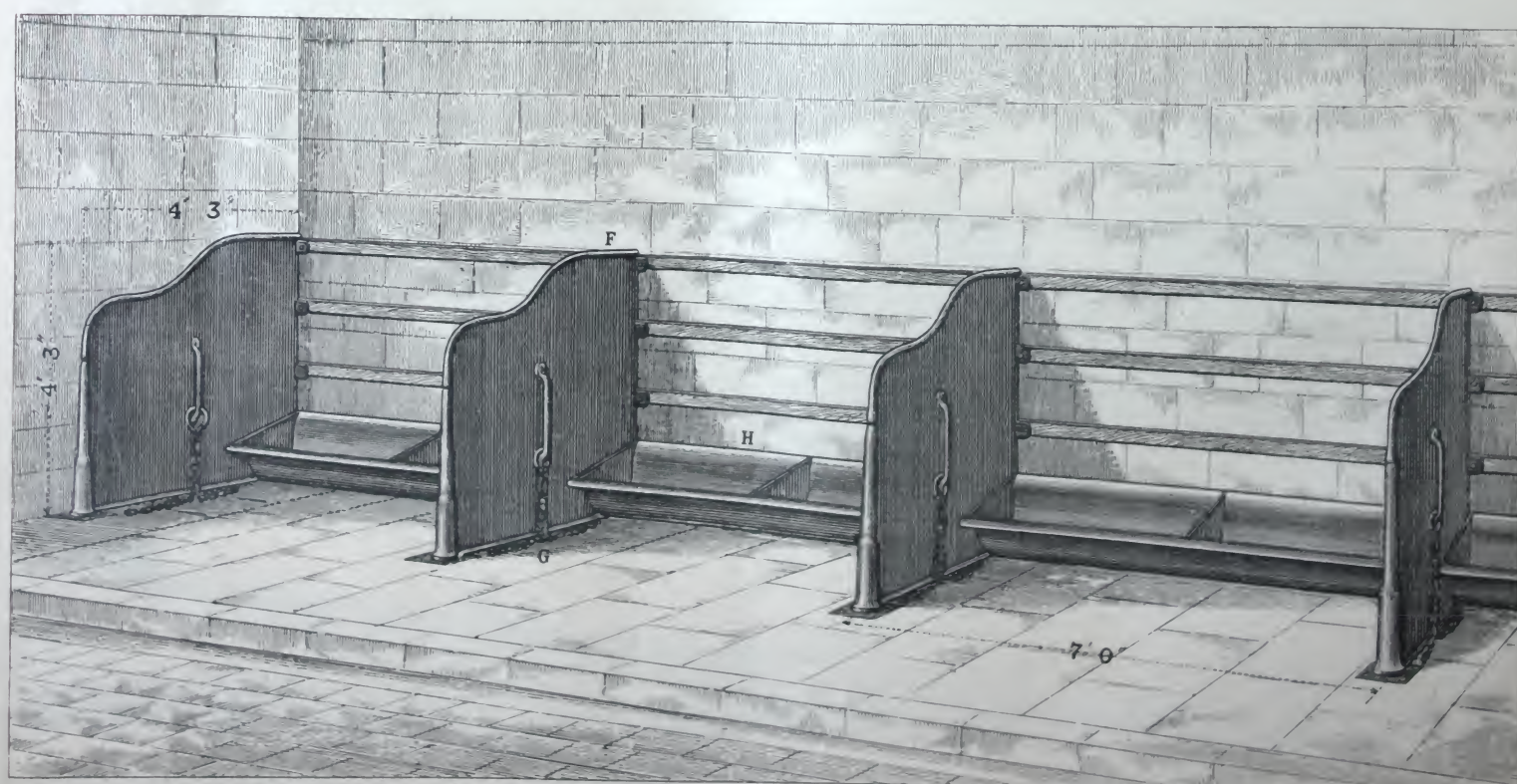
K N^o. 21 RACK.

IMPROVED CATTLE FITTINGS.

EXAMPLES OF COW HOUSES, SHOWING RANGES OF STALLS



A N^o. 5 DIVISION. C N^o. 5 TROUGH, with Division in centre.
 B N^o. 6 BINDING CHAIN. D N^o. 20 BYRE GUTTER
 E CONNECTING TUBE.

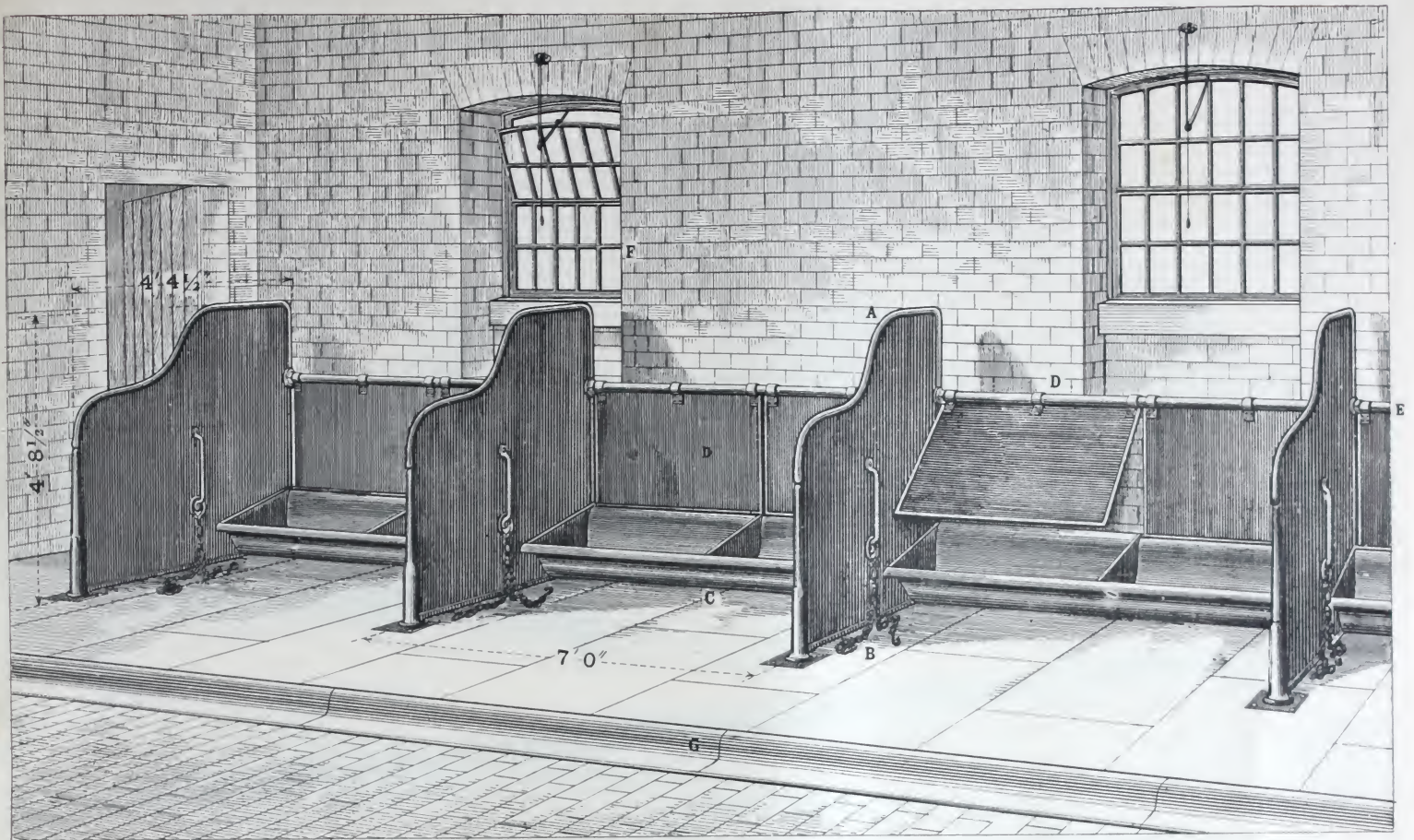


F N^o. 6 DIVISION. G N^o. 6 BINDING CHAIN. H N^o. 5 TROUGH, with Division in centre.

IMPROVED CATTLE FITTINGS.

EXAMPLES OF COW HOUSES SHOWING RANGES OF STALLS WITH FEEDING PASSAGE NEXT WALL.

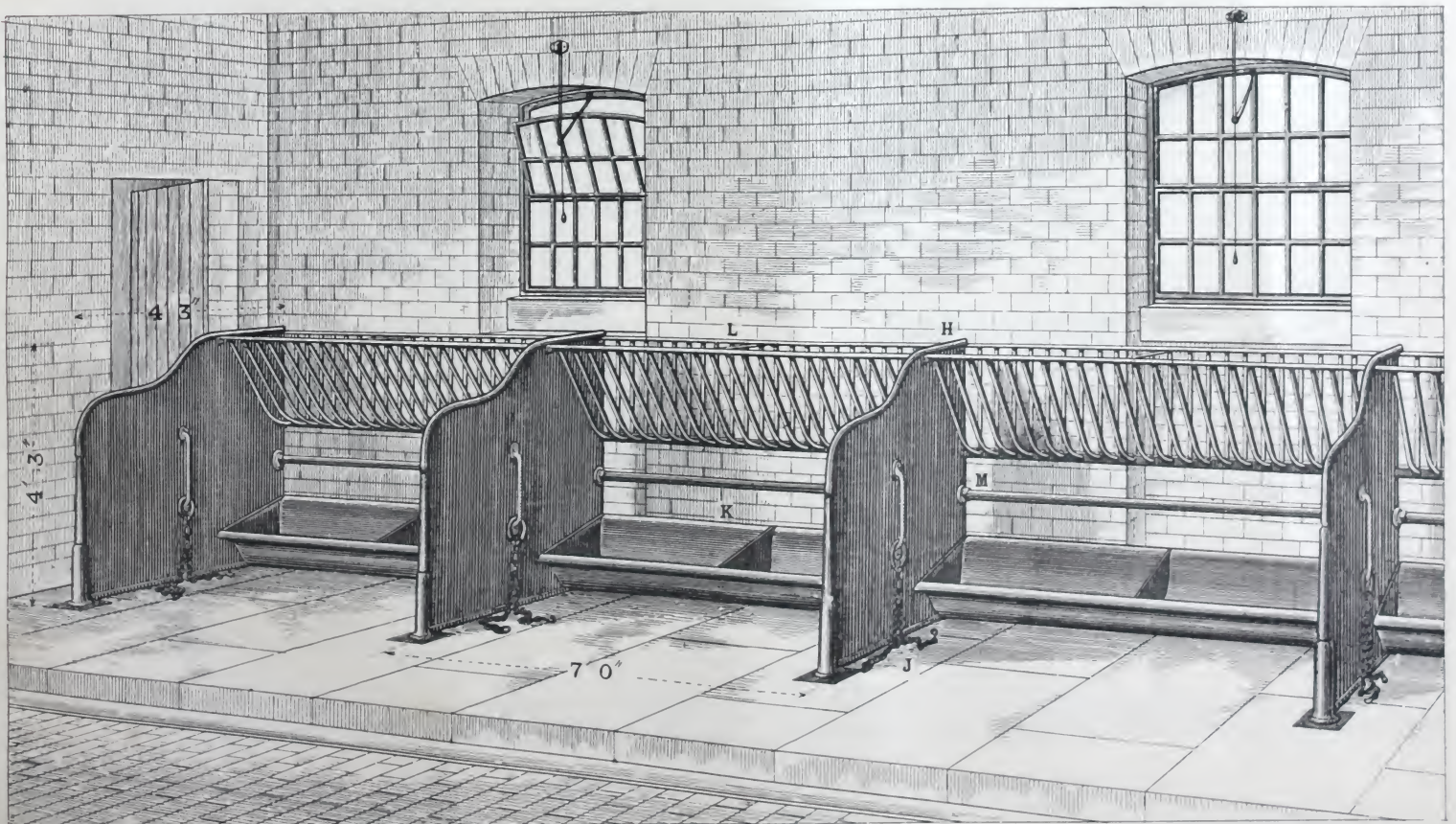
2275



A N^o. 5 DIVISION.
B N^o. 6 BINDING CHAIN.

C N^o. 5 TROUGH. with Division in Centre.
D WROUGHT IRON FLAPS OR FEEDING DOORS
E CONNECTING TUBE

F N^o. 121 WINDOW.
G N^o. 20 BYRE GUTTER.



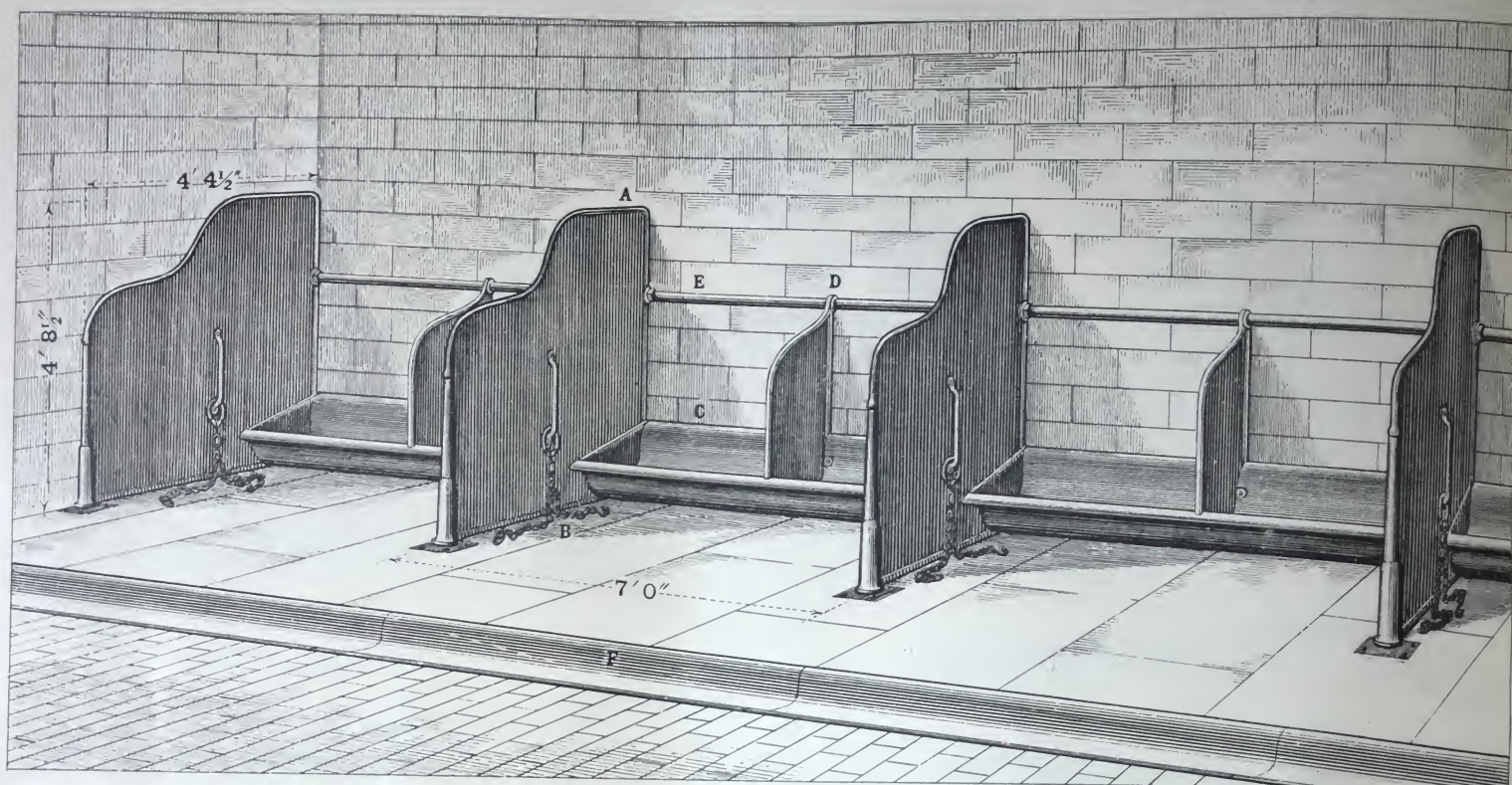
H N^o. 8 DIVISION.
J N^o. 6 BINDING CHAIN.

K N^o. 5 TROUGH, with Division in centre.
L N^o. 22 RACK.

M CONNECTING TUBE.

IMPROVED CATTLE FITTINGS.

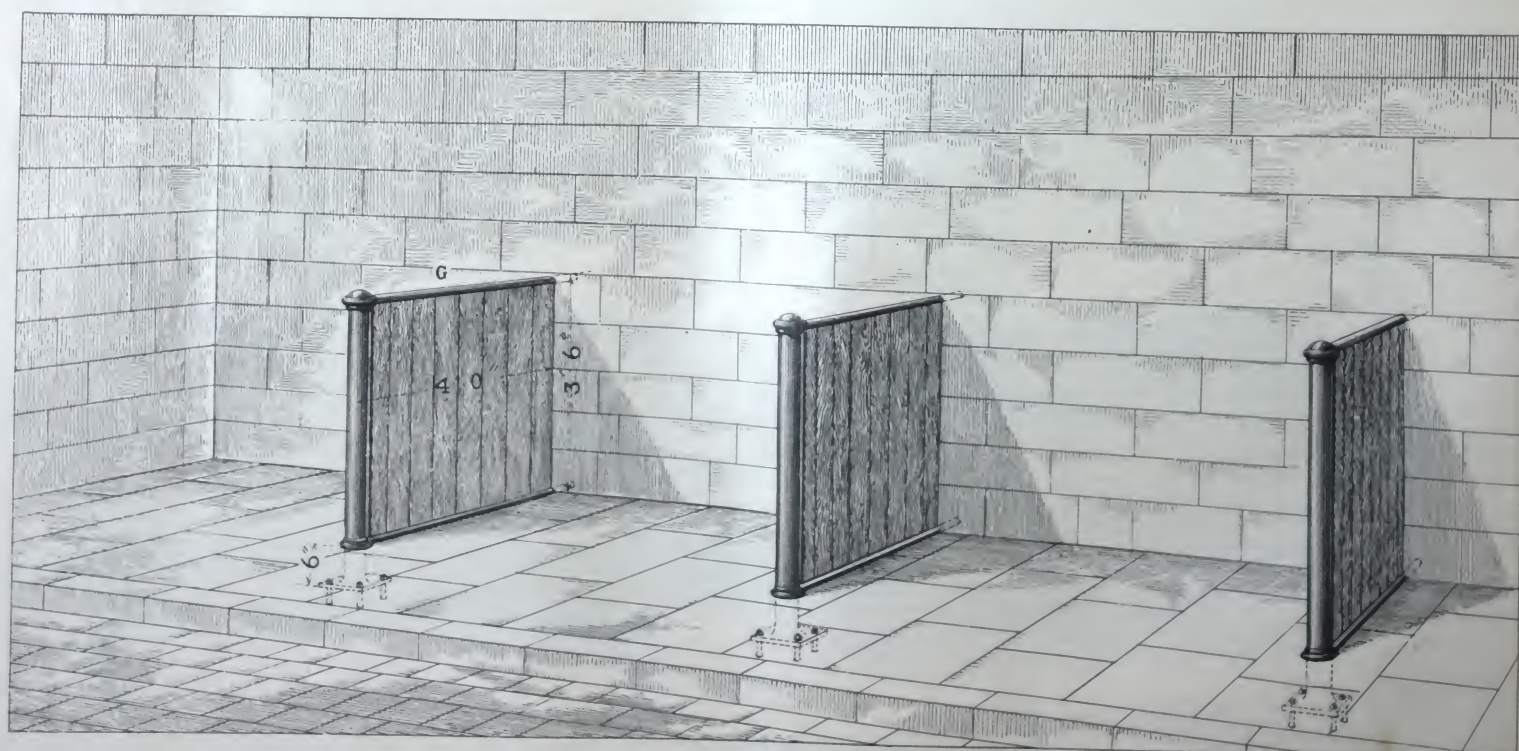
EXAMPLES OF COW HOUSES SHOWING RANGES OF STALLS



A N^o. 5 DIVISION.
B N^o. 6 BINDING CHAIN.

C N^o. 5 TROUGH,
D N^o. 11 DWARF DIVISION.

E CONNECTING TUBE
F N^o. 20 BYRE GUTTER.



G N^o. 10 DIVISION consisting of Post and Head, Top Rail and Sill
Prepared for 1 1/2" Wood.

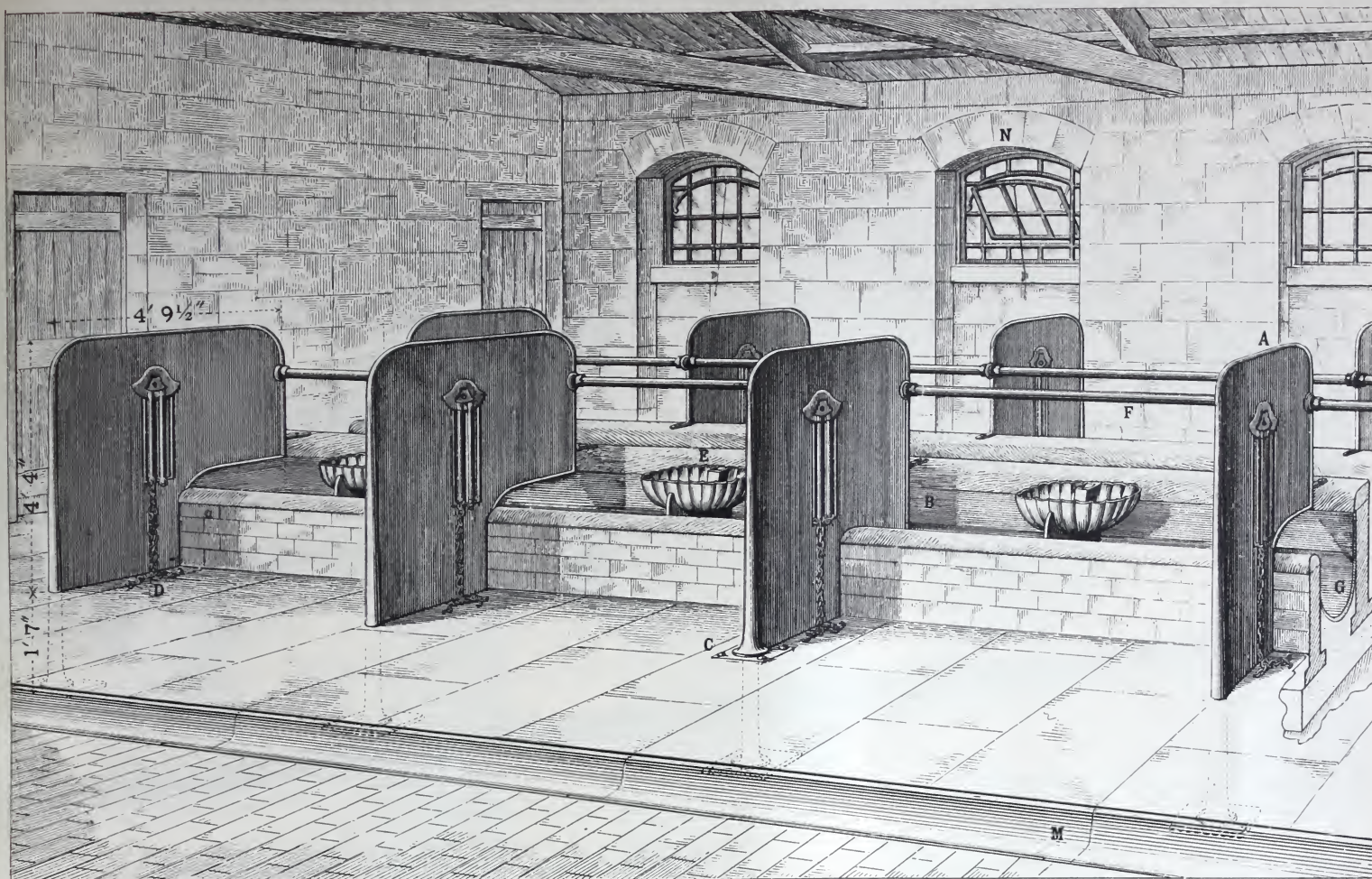
IMPROVED CATTLE FITTINGS.

EXAMPLE OF COW HOUSE, SHOWING TWO RANGES OF STALLS WITH FEEDING PASSAGES IN CENTRE.

For Plan of this Cow House, see Page 2271

ERECTED AT THE EXPRESS DAIRY COY.'S COW HOUSE, FINCHLEY.

2277



A N^o. 12 DIVISION, with Sliding Cow Ties. Can also be had dividing trough, as shown at B, with space at bottom to allow of water flowing from end to end of trough, also with flange at floor level, as shown at C, instead of root.
D N^o. 5 BINDING CHAIN.

E N^o. 30 DRINKING TROUGH.

F CONNECTING TUBE.

G DOULTON GLAZED STONEWARE TROUGH, 21" wide.

Note.—Our N^o. 29 FEEDING TROUGH, 22 3/4" wide, serves same purpose and requires no building in.

H N^o. 13 DIVISION, with Sliding Cow Ties.

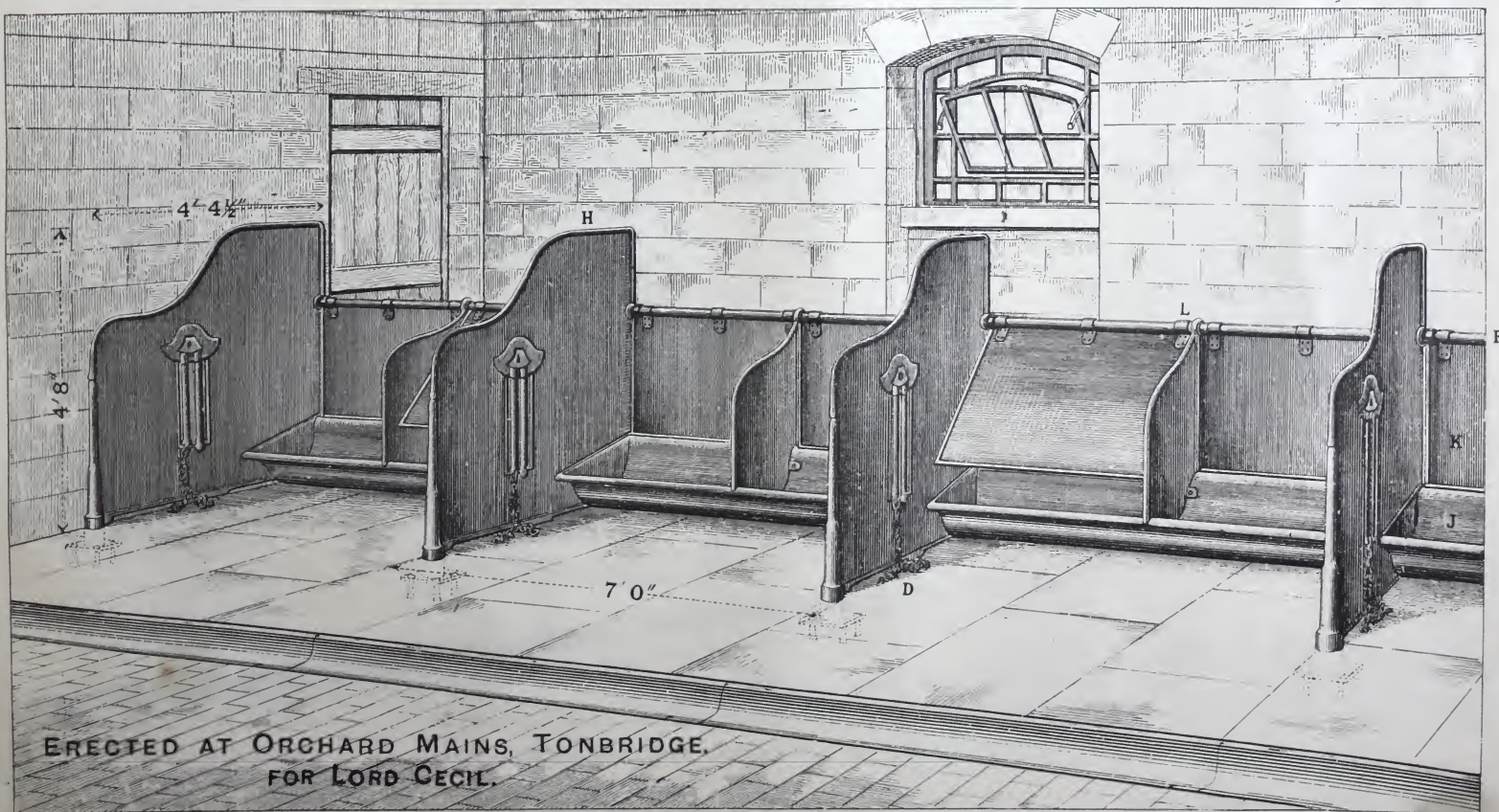
J N^o. 5 FEEDING TROUGH.

K WROUGHT IRON FLAPS OR FEEDING DOORS.

L N^o. 11 DWARF DIVISION.

M N^o. 20 BYRE GUTTER

N N^o. 123 VENTILATING WINDOW.



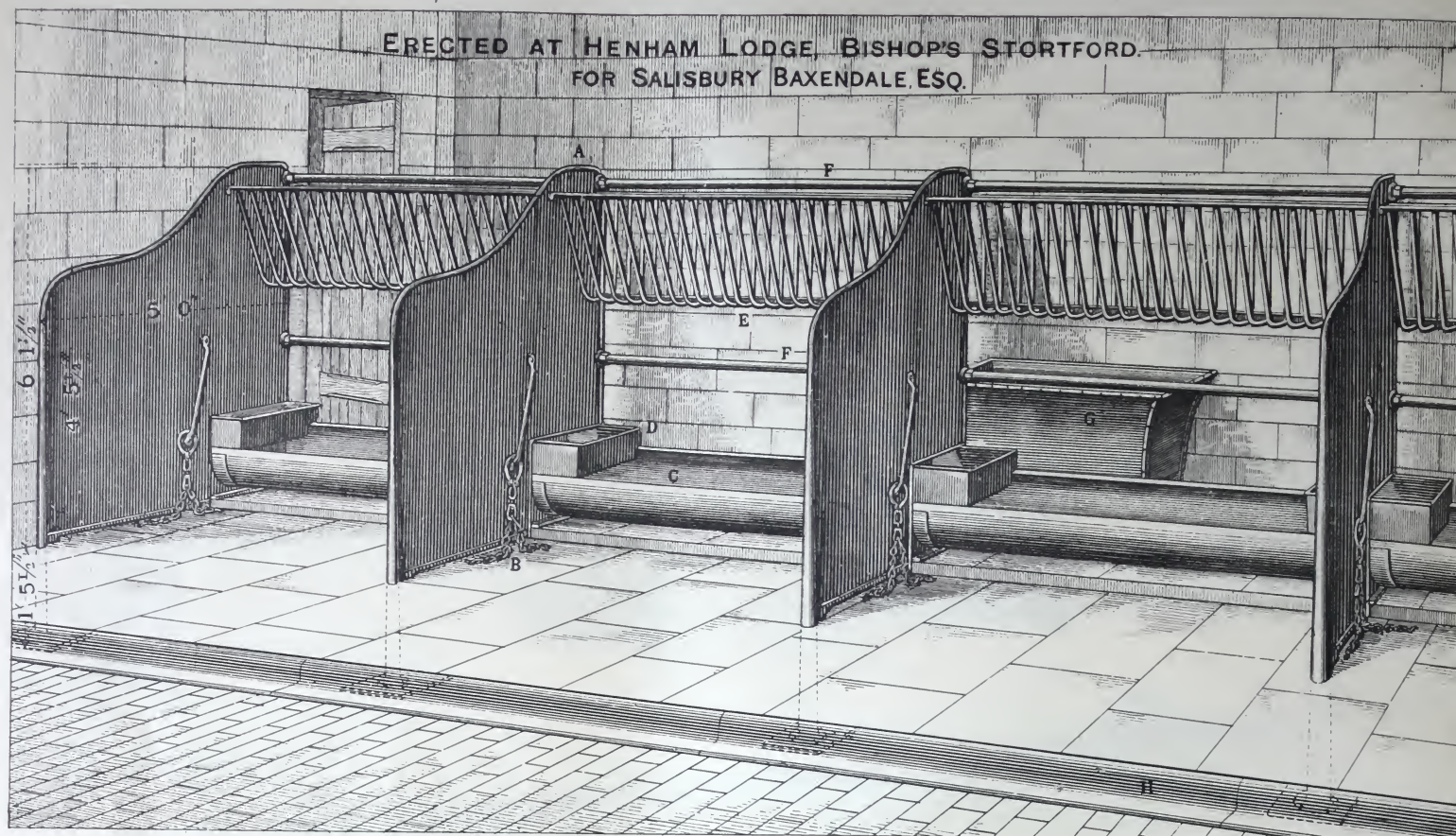
ERECTED AT ORCHARD MAINS, TONBRIDGE.
FOR LORD CECIL.

EXAMPLE OF COW HOUSE, SHOWING RANGE OF STALLS WITH FEEDING PASSAGE NEXT WALL.

IMPROVED CATTLE FITTINGS.

2278

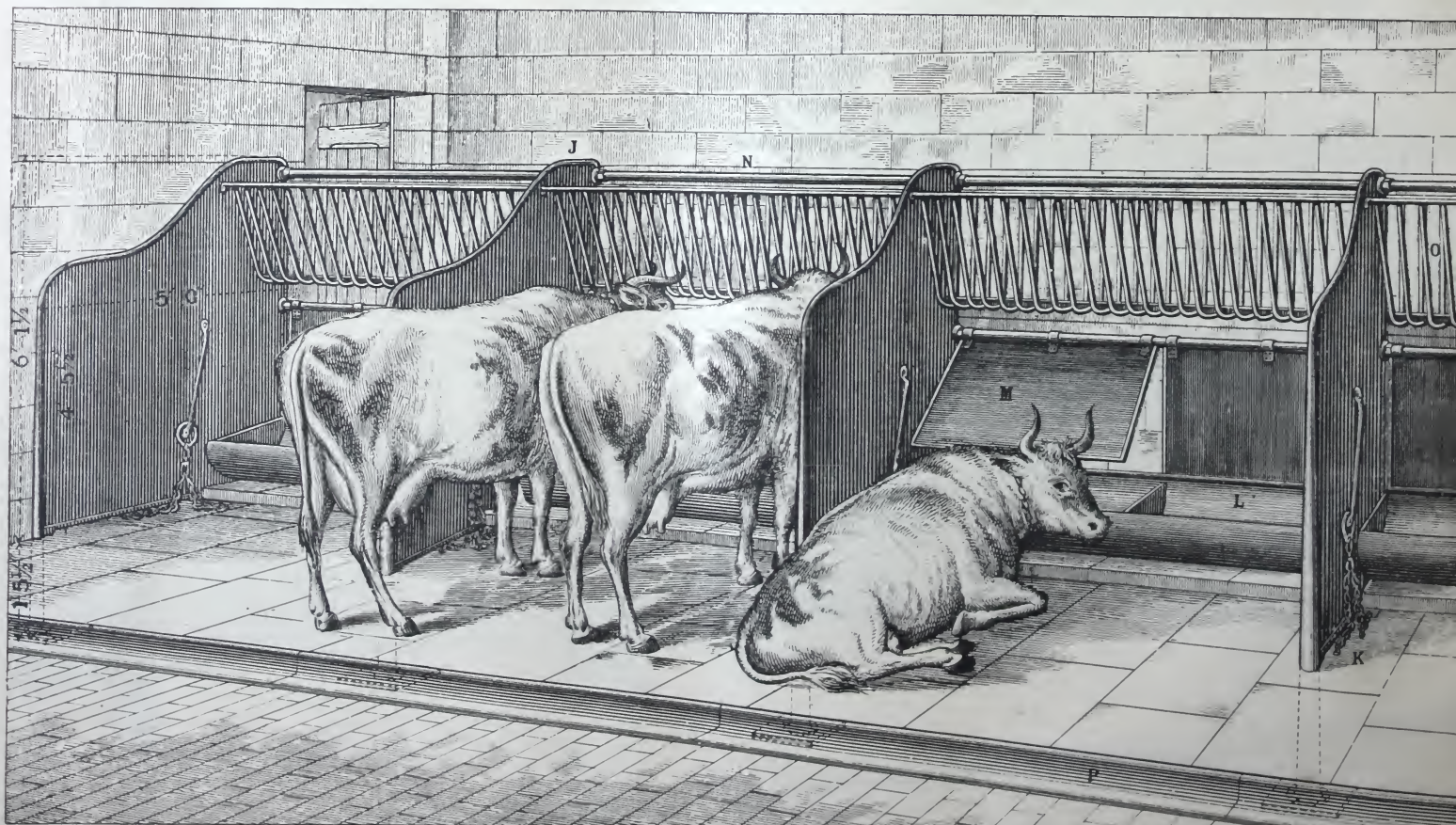
EXAMPLES OF COW HOUSES SHOWING RANGE OF STALLS WITH FEEDING PASSAGE NEXT WALL.



A N^o. 14 DIVISION, sloped at ground,
1½" from Head to Tail.
B N^o. 6 BINDING CHAIN.

C N^o. 29 CONTINUOUS TROUGH.
D N^o. 28 WATER TROUGH.
E N^o. 25 RACK

F CONNECTING TUBE.
G N^o. 50 FEEDING TRUCK.
H N^o. 20 BYRE GUTTER.



J N^o. 15 DIVISION, sloped at ground,
1½" from Head to Tail.
K N^o. 6 BINDING CHAIN.

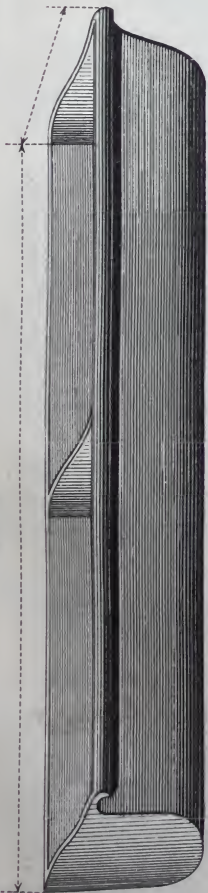
L N^o. 29 FEEDING TROUGH, with Close Ends
and Division in Centre.
M WROUGHT IRON FLAPS OR FEEDING DOORS.

N CONNECTING TUBE.
O N^o. 23 RACK
P N^o. 20 BYRE GUTTER

IMPROVED CATTLE FITTINGS.

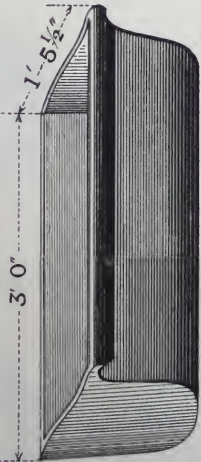
FEEDING TROUGHS.

N^o 2

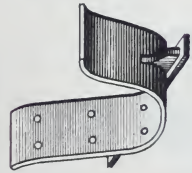


Sizes, 6' 10" long x 1' 6" wide x 12" deep.
6' 10" " x 1' 9 1/2" " x 12" "

N^o 3

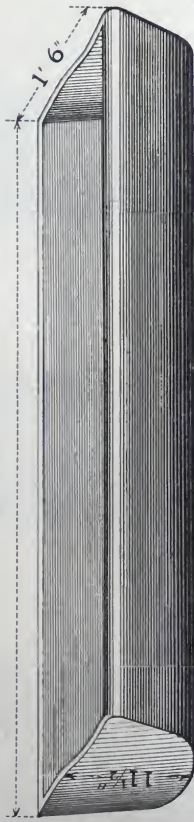


CLIP,



12" deep.

N^o 22

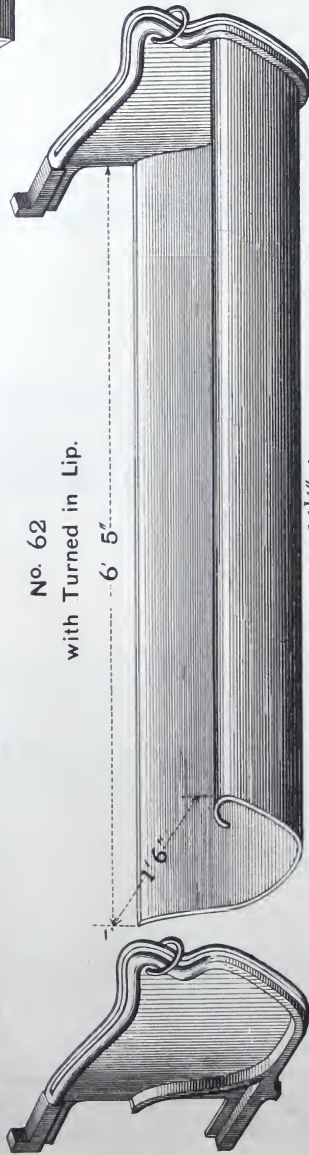


Sizes, 3' 0 1/2", 6' 1", 6' 11", 8' 6", and 10' 0" Close Ends;
also 6' 5" Open Ends.

N^o 62

with Turned in Lip.

6' 5"



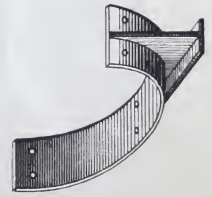
11 1/2" deep.

N^o 29

CONTINUOUS TROUGH with Turned in Lip.

9' 1 1/2"

CLIP,

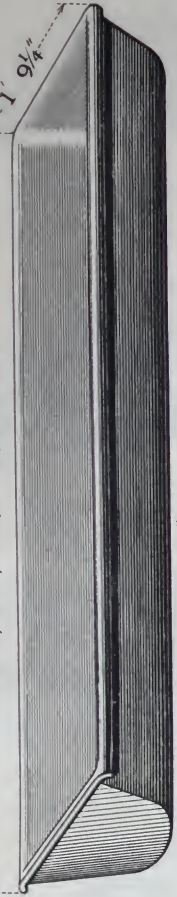


11" deep.

Can also be had with CLOSE ENDS and DIVISION in Centre to Order.

N^o 5

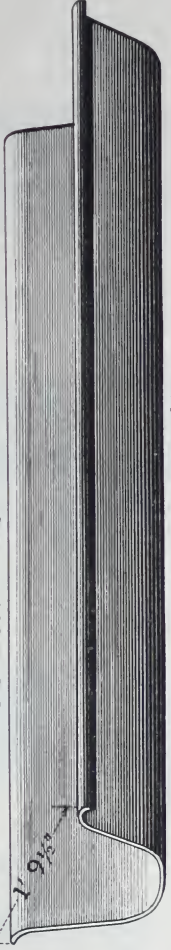
3' 0", 6' 0", 6' 6", 7' 0", and 8' 0"



10 3/4" deep.

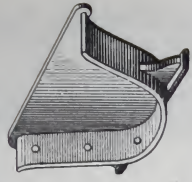
N^o 6

CONTINUOUS TROUGH FOR LONG STRETCHES,



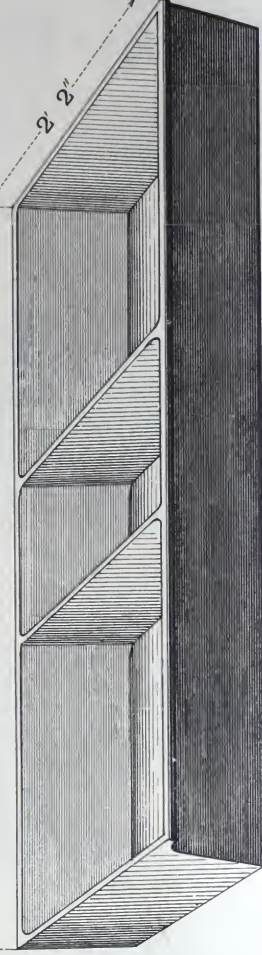
6' 10" or 7' 10" x 10 1/2" deep.

STOP END.



N^o 7

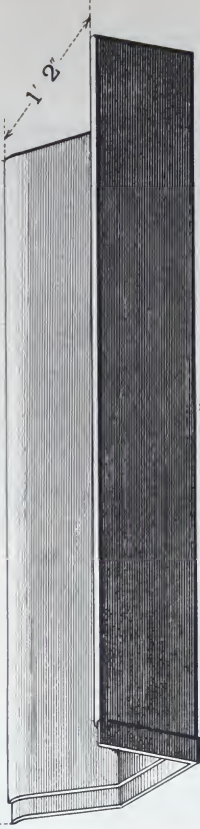
7' 2"



10 1/2" deep.

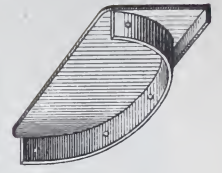
N^o 63

6' 0"



10 1/4" deep.

STOP END.

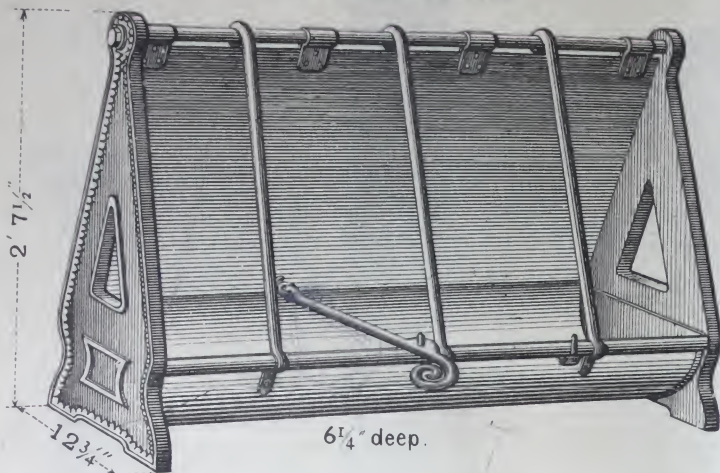


IMPROVED CATTLE FITTINGS.

2284

N^o 1

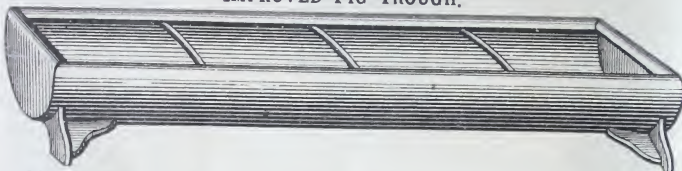
EGLINTON PIG TROUGH.



Sizes, 3' 0", 4' 0", 4' 6", 5' 0", and 6' 0" long x 12" wide.
With $\frac{3}{3}$ $\frac{4}{4}$ $\frac{4}{5}$ $\frac{5}{5}$ $\frac{6}{6}$ compartments

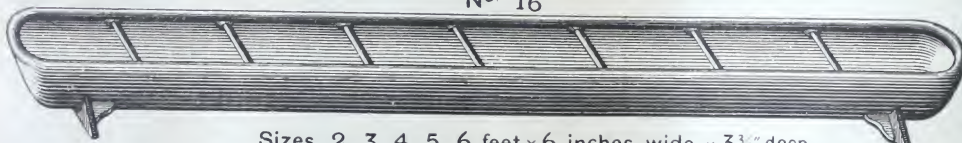
N^o 5

IMPROVED PIG TROUGH.



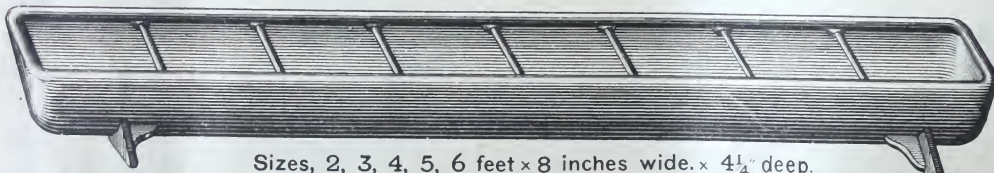
Sizes, 2' 0", 2' 6", 3' 0", 3' 6", 4' 0", 4' 6"
With $\frac{2}{2}$ $\frac{3}{3}$ $\frac{3}{4}$ $\frac{4}{4}$ $\frac{5}{5}$ compartments.
Sizes, 5' 0", 5' 6", and 6' 0" long x 10" wide. x 5 $\frac{3}{4}$ " deep.
With $\frac{5}{5}$ $\frac{6}{6}$ $\frac{6}{6}$ compartments.
Sizes, 3' 0", 4' 0", 4' 6", 5' 0", and 6' 0" long x 12" wide. x 7" deep
With $\frac{3}{3}$ $\frac{4}{4}$ $\frac{4}{5}$ $\frac{5}{5}$ $\frac{6}{6}$ compartments.

N^o 16



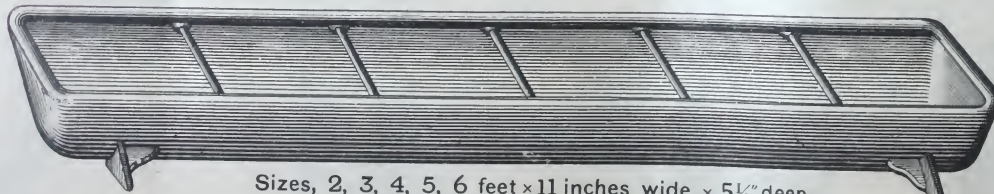
Sizes, 2, 3, 4, 5, 6 feet x 6 inches wide. x 3 $\frac{3}{8}$ " deep.
With $\frac{3}{3}$ $\frac{4}{4}$ $\frac{5}{5}$ $\frac{6}{6}$ $\frac{8}{8}$ compartments.

N^o 13



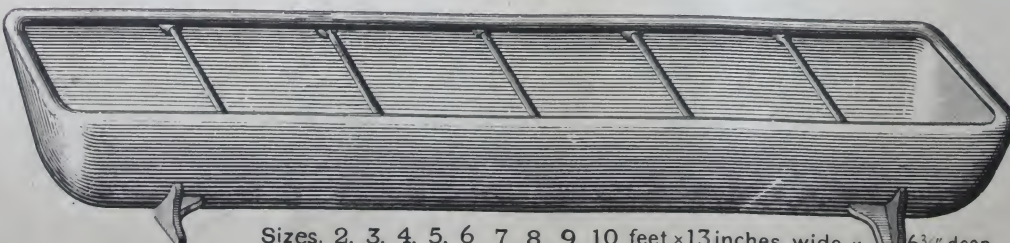
Sizes, $\frac{2}{2}$ $\frac{3}{3}$ $\frac{4}{4}$ $\frac{5}{5}$ $\frac{6}{6}$ feet x 8 inches wide. x 4 $\frac{1}{4}$ " deep.
With $\frac{3}{3}$ $\frac{4}{4}$ $\frac{5}{5}$ $\frac{6}{6}$ $\frac{8}{8}$ compartments.

N^o 15



Sizes, $\frac{2}{2}$ $\frac{3}{3}$ $\frac{4}{4}$ $\frac{5}{5}$ $\frac{6}{6}$ feet x 11 inches wide. x 5 $\frac{1}{2}$ " deep
With $\frac{2}{2}$ $\frac{3}{3}$ $\frac{4}{4}$ $\frac{5}{5}$ $\frac{6}{6}$ compartments.

N^o 14

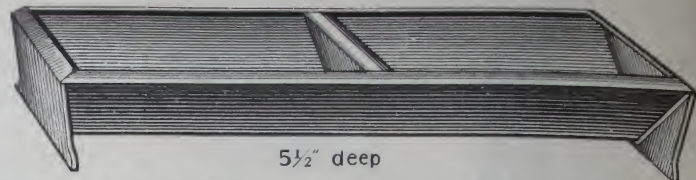


Sizes, $\frac{2}{2}$ $\frac{3}{3}$ $\frac{4}{4}$ $\frac{5}{5}$ $\frac{6}{6}$ $\frac{7}{7}$ $\frac{8}{8}$ $\frac{9}{9}$ $\frac{10}{10}$ feet x 13 inches wide x 6 $\frac{3}{4}$ " deep
With $\frac{2}{2}$ $\frac{3}{3}$ $\frac{4}{4}$ $\frac{5}{5}$ $\frac{6}{6}$ $\frac{7}{7}$ $\frac{8}{8}$ $\frac{9}{9}$ $\frac{10}{10}$ compartments.

PIG FEEDING TROUGHS.

N^o 7

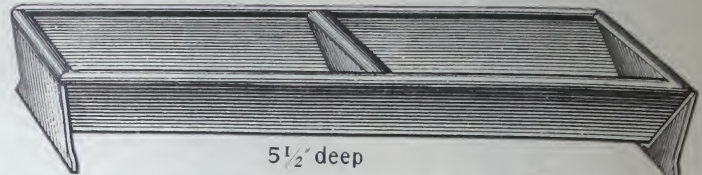
V PIG TROUGH, Flat Edge.



5 $\frac{1}{2}$ " deep
Sizes, 2' 0", 2' 6", 3' 0", 3' 6", 4' 0", 4' 6" 5' 0", 5' 6", and 6' 0" long x
With $\frac{2}{2}$ $\frac{3}{3}$ compartments

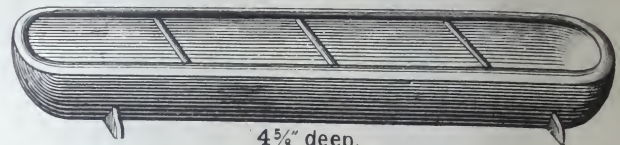
N^o 7^A

V PIG TROUGH, Rounded Edge.



5 $\frac{1}{2}$ " deep
Sizes, 2' 0", 2' 6", 3' 0", 3' 6", 4' 0", 4' 6" 5' 0", 5' 6", and 6' 0" long. x 11" w
With $\frac{2}{2}$ $\frac{3}{3}$ compartments

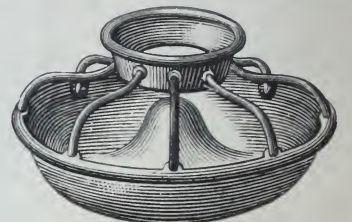
N^o 12



4 $\frac{5}{8}$ " deep.

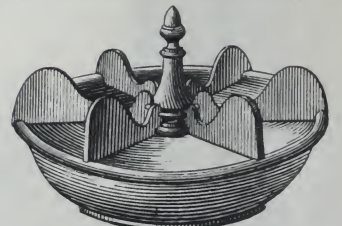
Section of Sizes, 2' 0", 2' 6", 3' 0", 4' 0", 5' 0", and 6' 0" long x 10" v
N^o 5. With $\frac{2}{2}$ $\frac{2}{2}$ $\frac{3}{3}$ $\frac{4}{4}$ $\frac{5}{5}$ $\frac{6}{6}$ compartments

N^o 3 PIG TROUGH, with Hopper.



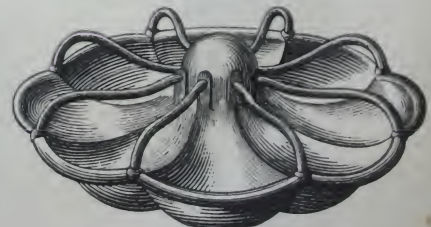
Sizes, 2' 0", 2' 6", and 3' 0", Dia.
With $\frac{4}{8}$ $\frac{8}{8}$ $\frac{10}{10}$ Divisions

N^o 4 PIG TROUGH, with Revolving Division



Sizes, 2' 0", 2' 2", 2' 6", and 2' 10" Dia.
With $\frac{5}{8}$ $\frac{7}{8}$ $\frac{6}{8}$ $\frac{8}{8}$ $\frac{10}{10}$ com

N^o 8 CIRCULAR PIG TROUGH.



Dia. 2' 8" with 8 Cups

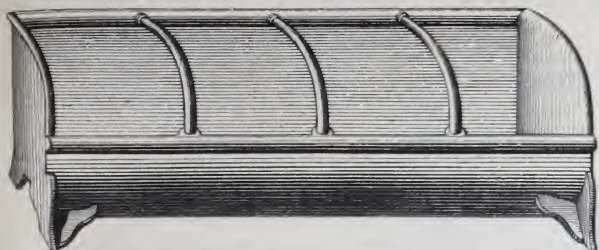
N^o 9 CIRCULAR PIG TROUGH, with Hopper



Dia. 2' 8" with 8 Cups

IMPROVED CATTLE FITTINGS.

N^o 2 IMPROVED HIGH BACKED PIG TROUGH

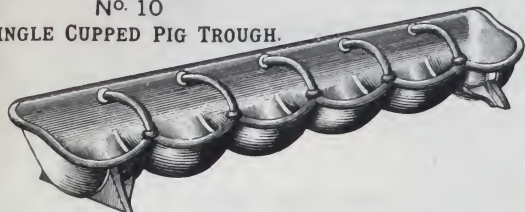


Sizes, 2' 6", 3' 0", 3' 6", and 4' 0" long x 8" wide.
With 4, 5, 5, 6 compartments.

Sizes, 2' 6", 3' 0", 3' 6", 4' 0", 5' 0", and 6' 0" long x 11" wide.
With 2, 3, 4, 4, 5, 6 compartments.

N^o 10

SINGLE CUPPED PIG TROUGH.



Sizes, 3' 4", 4' 5", and 5' 6" long x 7" wide.
With 6, 8, 10 cups.

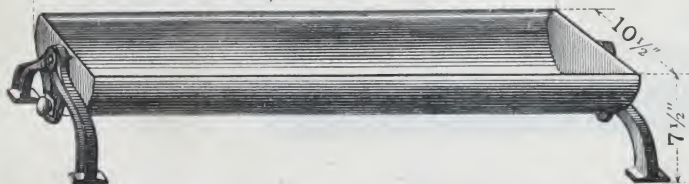
N^o 1 SHEEP TROUGH.



Sizes, 3' 0", 3' 6", and 4' 0", long x 8" wide.

N^o 3 TUMBLING DOG TROUGH FOR KENNELS.

3' 6", & 4' 0"



N^o 9 POULTRY TROUGH.



Sizes, 1' 0", 2' 0", and 3' 0" long x 6 3/4" wide.
With 1, 2, 3 compartments

N^o 3 POULTRY TROUGH.



Sizes, 1' 0", 2' 0", & 3' 0" long x 6 1/2" wide.
With 1, 2, 3 compartments.

N^o 2 POULTRY TROUGH



Sizes, 1' 0", 1' 6", 2' 0", 2' 6", & 3' 0" long
With 2, 2, 3, 3, 3 compartments

N^o 19 FEEDING PAN.



Sizes, 12" x 5", 16" x 8",
20" x 10", 24" x 18",
and 30" x 18".

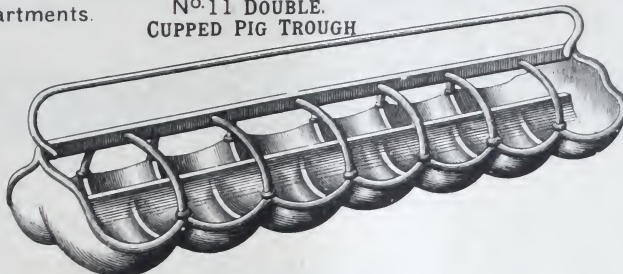
FEEDING TROUGHS.

N^o 6 DOUBLE PIG TROUGH.



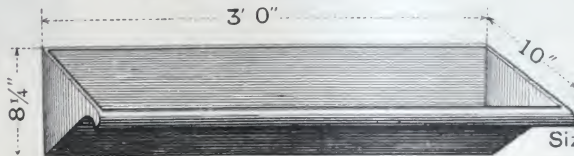
Sizes, 2' 0", 2' 6", and 3' 0" long x 10" wide.
With 8, 12, 14 compartments
Sizes, 3' 0", 3' 6", and 4' 0" long x 12" wide.
With 12, 14, 16 compartments.
Sizes, 3' 0", 3' 6", and 4' 0" long x 15" wide.
With 10, 12, 14 compartments.

N^o 11 DOUBLE CUPPED PIG TROUGH

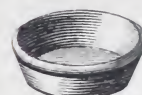


Sizes, 3' 0" x 11", 4' 0" x 1' 1 1/2", and 3' 11" x 1' 6".
With 14, 14, 10 cups.

N^o 17 PIG TROUGH



N^o 1 DOG TROUGH,



Sizes,

10, 11, and 1' 0" Dia

N^o 2 DOG TROUGH,



Sizes, 1' 3" and
1' 6" long x 6 1/2" wide.

N^o 1 POULTRY TROUGH



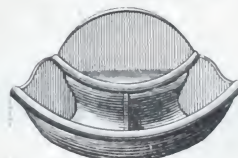
Sizes, 1' 0", 1' 6", and 2' 0" long x 5 1/4" wide
With 2, 3, 3 compartments.

N^o 4 CIRCULAR POULTRY TROUGH.



1' 6"
with 5 compartments.

N^o 5 SEMI-CIRCULAR POULTRY TROUGH



1' 6"
with 3 compartments.

N^o 6 TRIANGULAR POULTRY TROUGH



1' 1"
with 2 compartments.

N^o 7 DOUBLE POULTRY TROUGH.

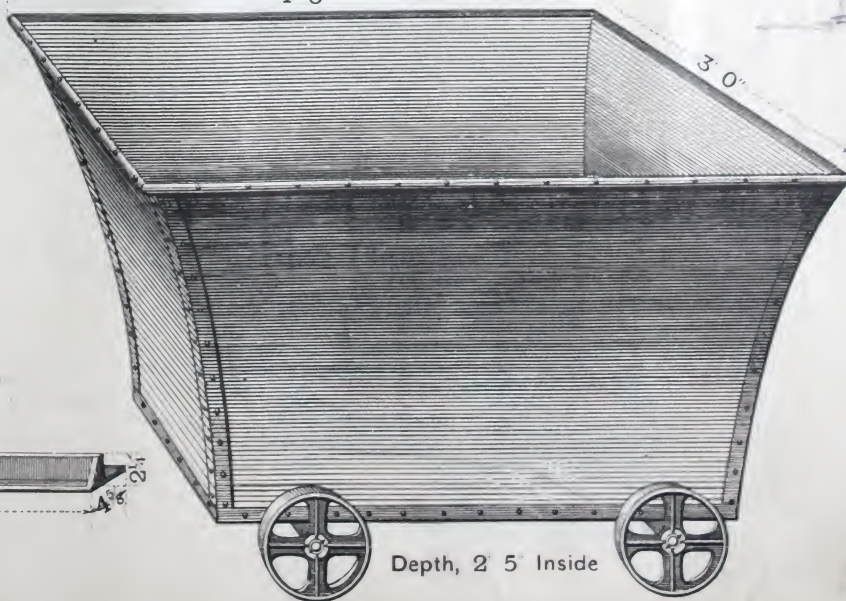


Sizes, 2' 6" long x 10" wide.

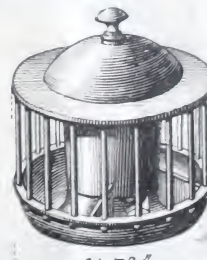
N^o 8 IMPROVED POULTRY TROUGH AND FOUNTAIN.



N^o 50 FEEDING TRUCK.



N^o 18 IMPROVED POULTRY TROUGH AND FOUNTAIN.



BINDING CHAINS.

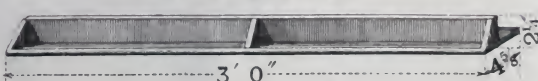
N^o 6



N^o 5



N^o 1 BYRE RAIL



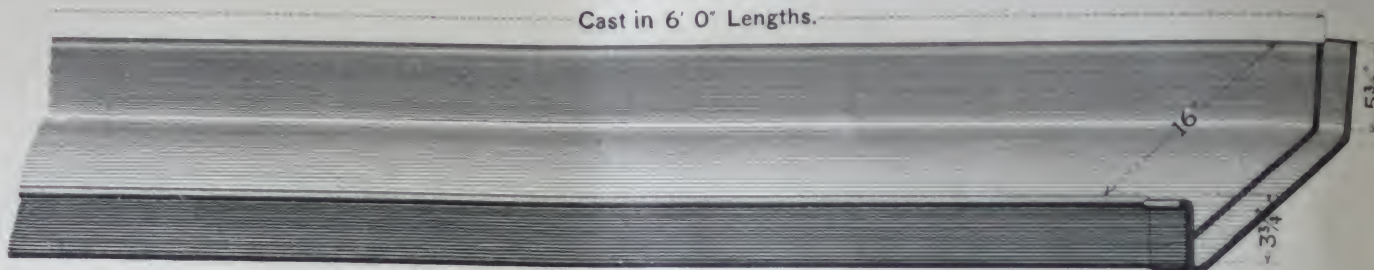
IMPROVED CATTLE FITTINGS.

GUTTERS AND CONNECTIONS.

N^o. 20

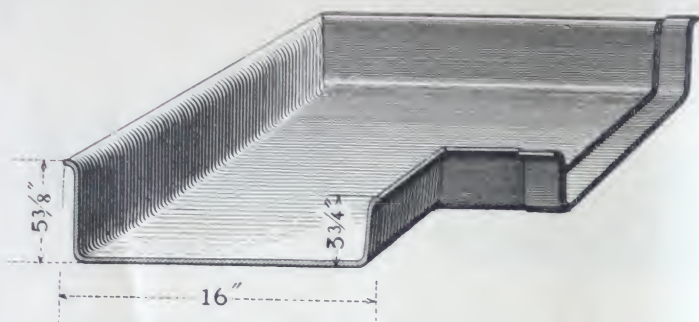
BYRE GUTTER.

Cast in 6' 0" Lengths.

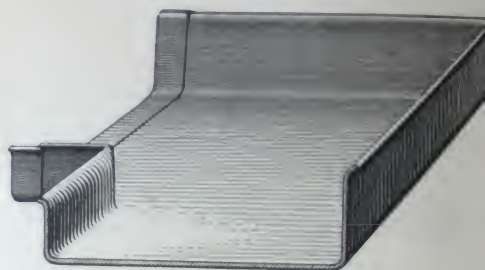


Note.—Nozzles from 2" to 6" Diam. Can be cast on bottom where wanted to Order.

LEFT HAND ANGLE.

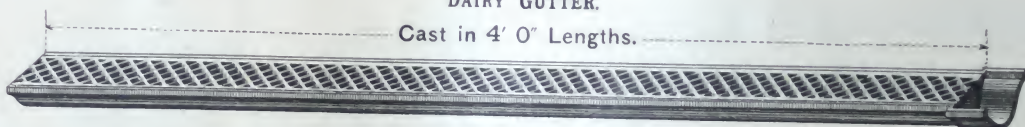


RIGHT HAND ANGLE.

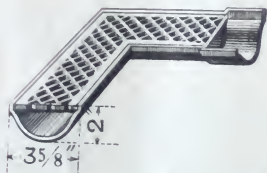
N^o. 13

DAIRY GUTTER.

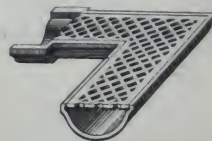
Cast in 4' 0" Lengths.



LEFT HAND ANGLE.

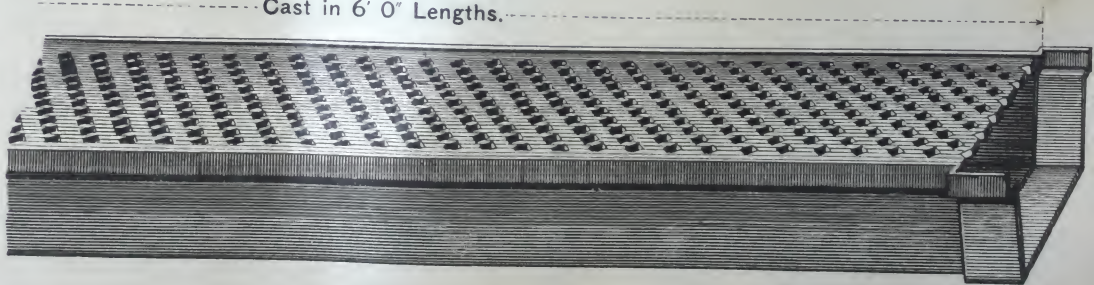
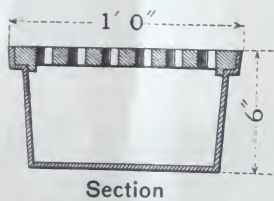


RIGHT HAND ANGLE.

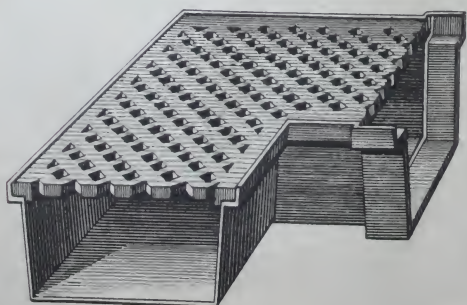
N^o. 14

WASHING-HOUSE GUTTER.

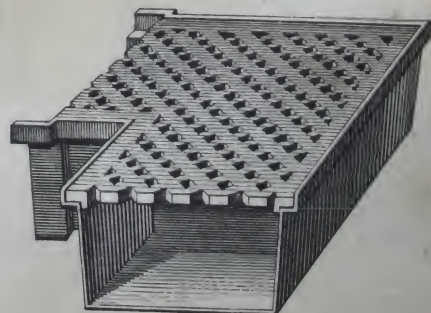
Cast in 6' 0" Lengths.



LEFT HAND ANGLE.

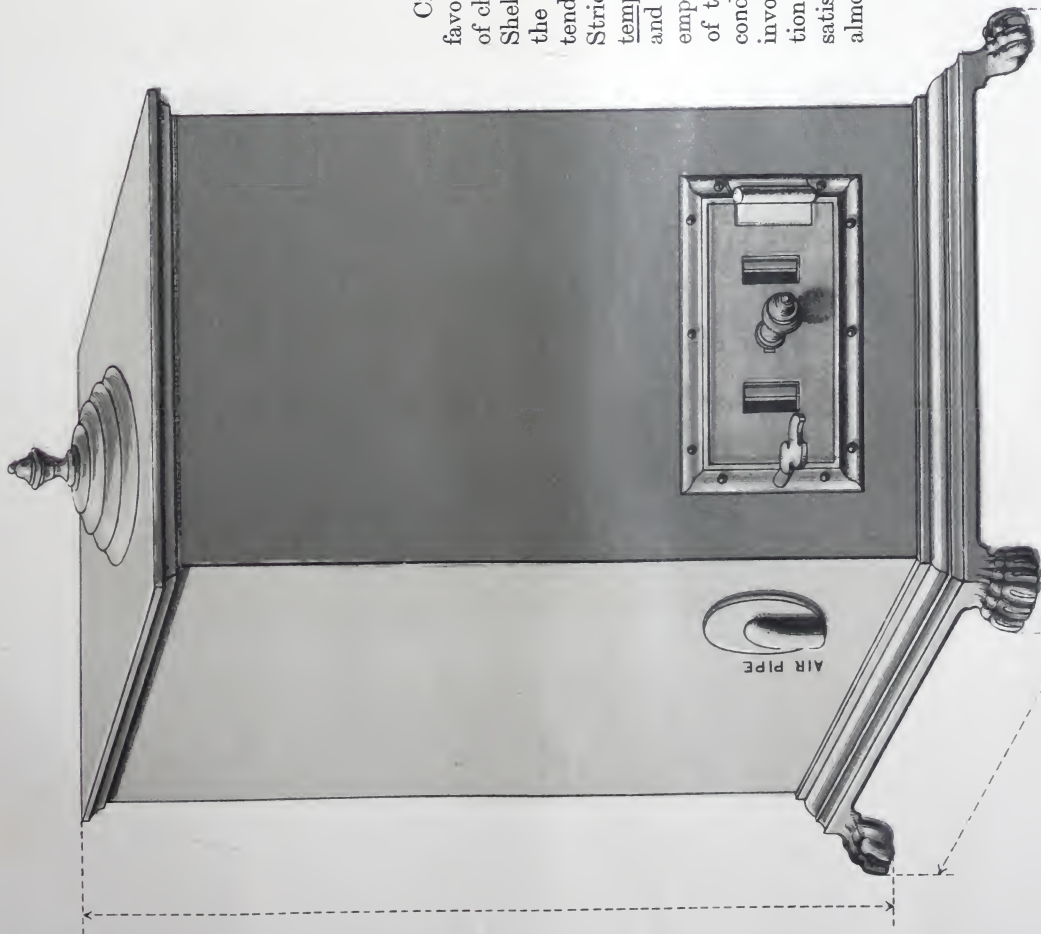


RIGHT HAND ANGLE.



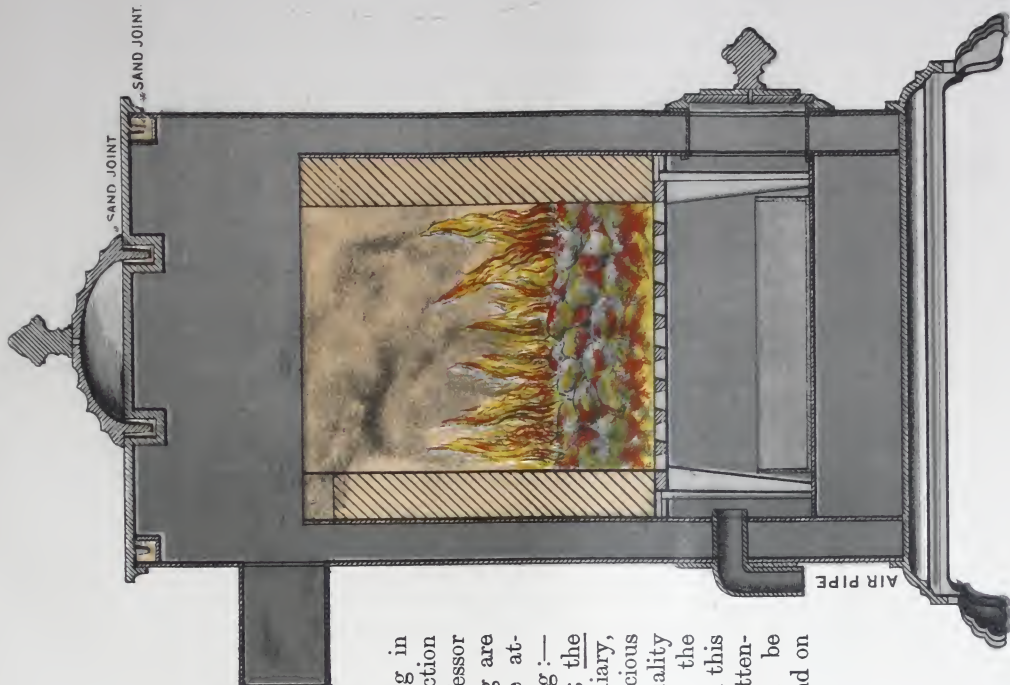
DAIRY AND CHEESE-ROOM STOVE.

SPECIALLY RECOMMENDED BY THE ROYAL AGRICULTURAL SOCIETY'S COMMISSIONER, (MR. HARDING,) TO INTRODUCE THE CHEDDAR SYSTEM INTO SCOTLAND.



BODY.		HEIGHT.	FLUE	
No. 1. SIZES,	No. 2.		NOZZLE AT BACK.	NO. 2. 24" x 24"
14½" x 14½"	17½" x 17½"	28"	3¾"	3¾"
		33½"	3¾"	3¾"
SIZE OF BASE, No. 1. 21" x 21"				

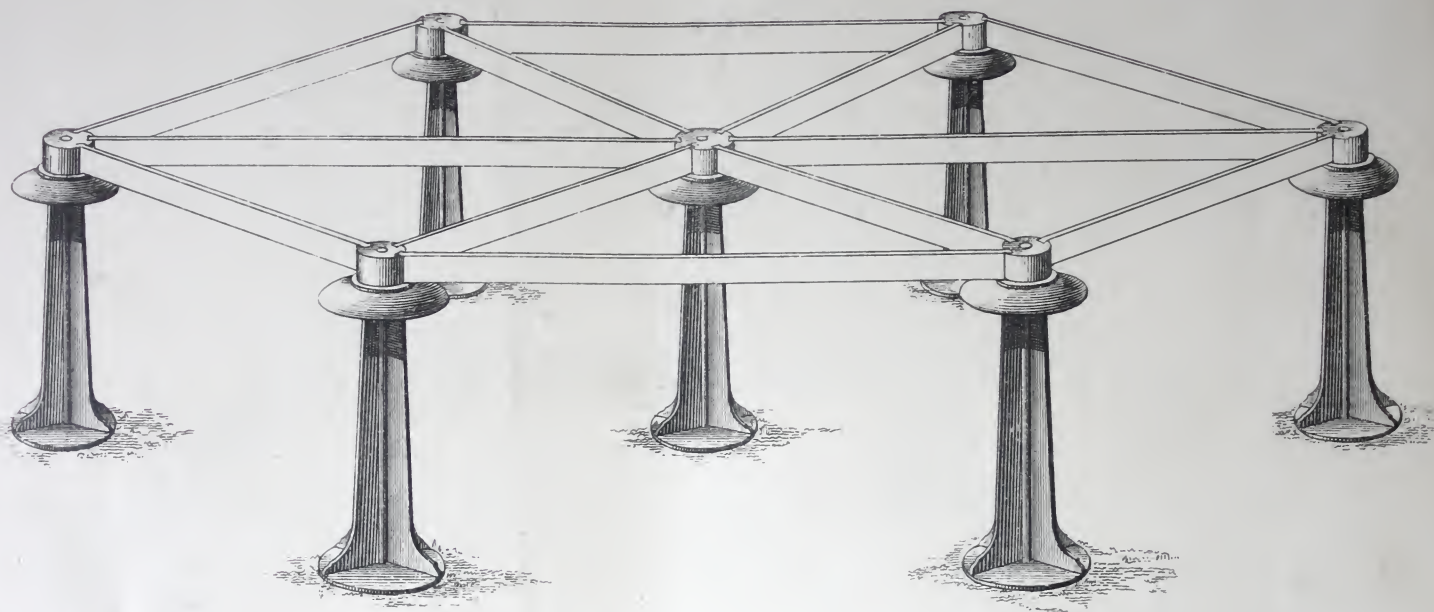
CHEESE FARMS.—Speaking in favour of an increased production of cheese in the country, Professor Sheldon said, "The following are the important points to be attended to in cheese-making:—Strict cleanliness everywhere; the temperature of the milk, the dairy, and the cheese room; the judicious employment of acidity; the quality of the rennet and the salt; the condition of the weather; all this involves time, labour, and attention, but the result will be satisfactory in any country and on almost any kind of land."



SECTION

AGRICULTURAL IMPLEMENTS.

EXAMPLE SHOWING ARRANGEMENT OF CORN STACK PILLARS FITTED.



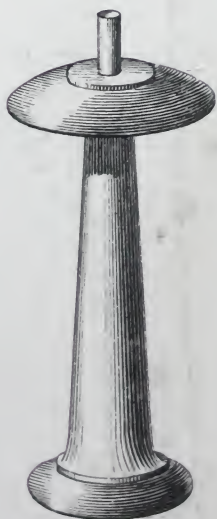
for 6, 7, 8 and 10 Bars.

N^o. 1



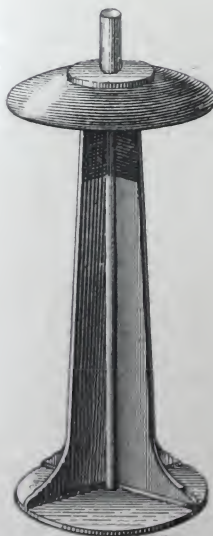
1' 9 $\frac{3}{4}$ " & 1' 11 $\frac{1}{4}$ "
LIGHT & HEAVY

N^o. 2



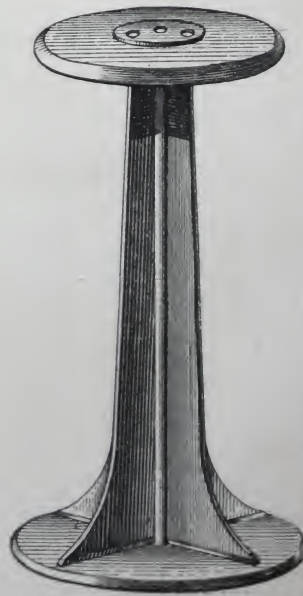
1' 10" High.

N^o. 3



1' 11 $\frac{1}{2}$ " High

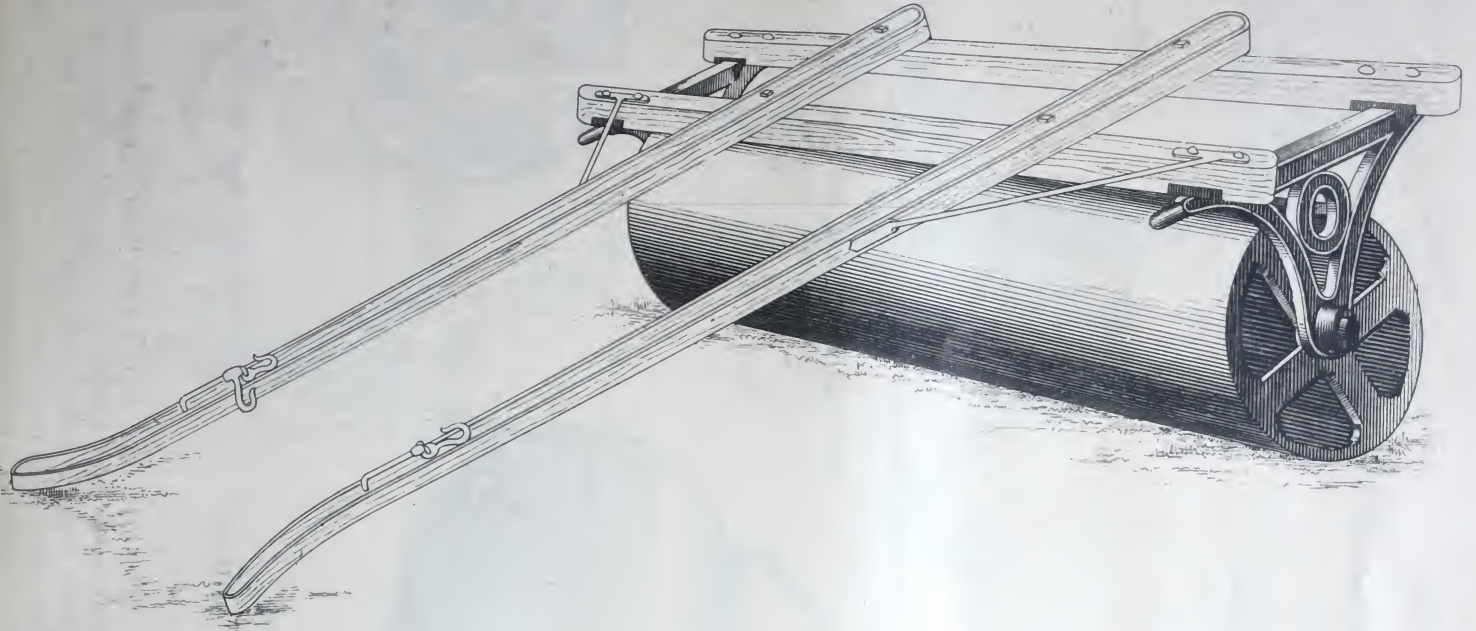
N^o. 4



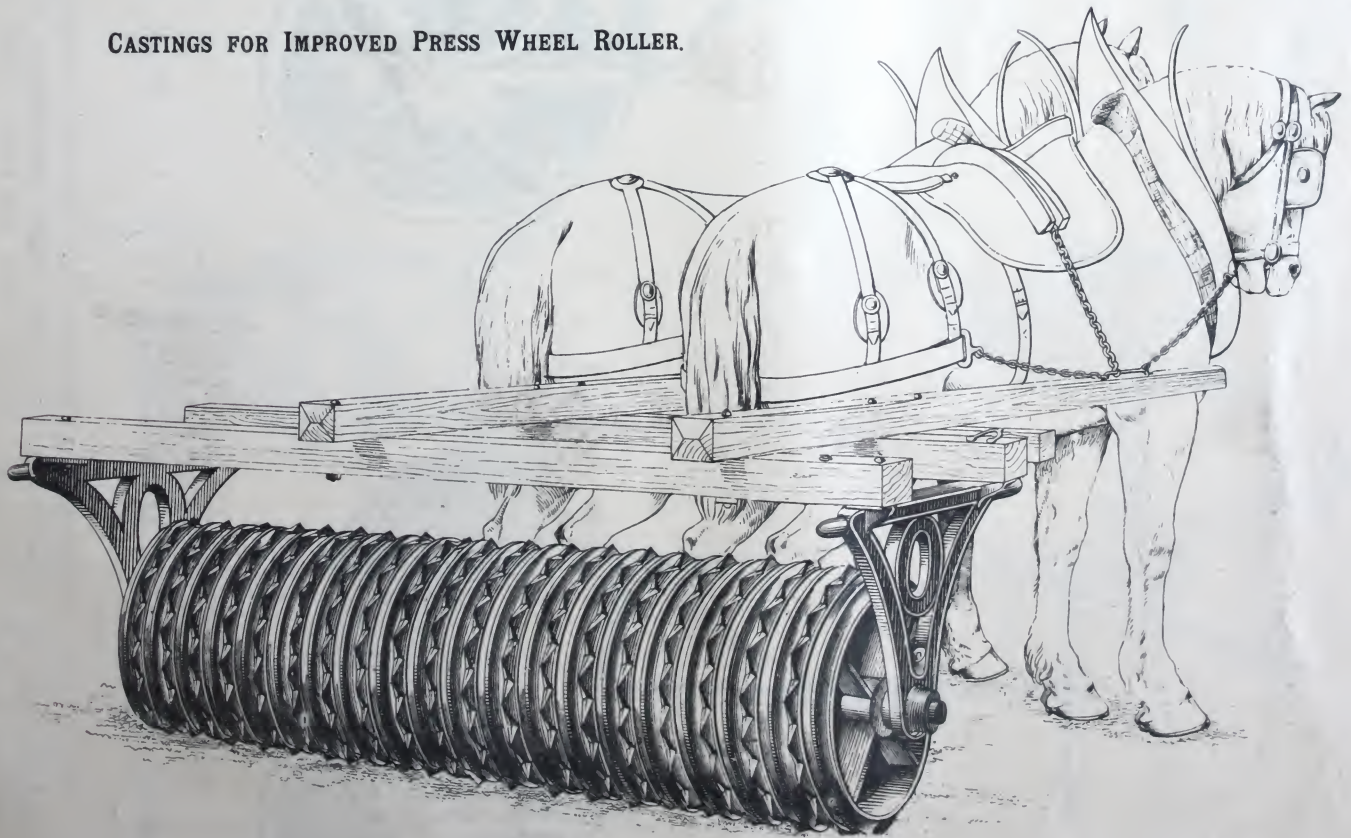
2' 2" & 2' 6" High

AGRICULTURAL IMPLEMENTS.

LAND ROLLER.



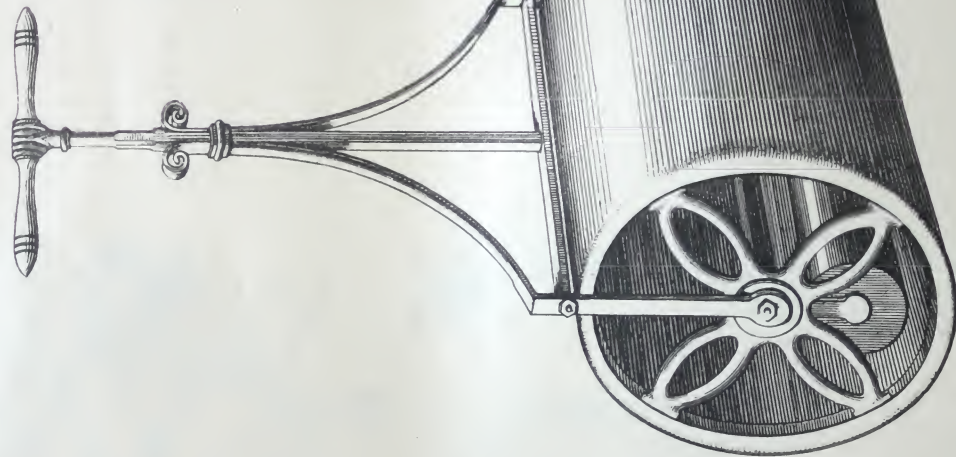
CASTINGS FOR IMPROVED PRESS WHEEL ROLLER.



GARDEN ROLLERS.

FITTED WITH BALANCE ARM AND WOOD HANDLE VARNISHED.

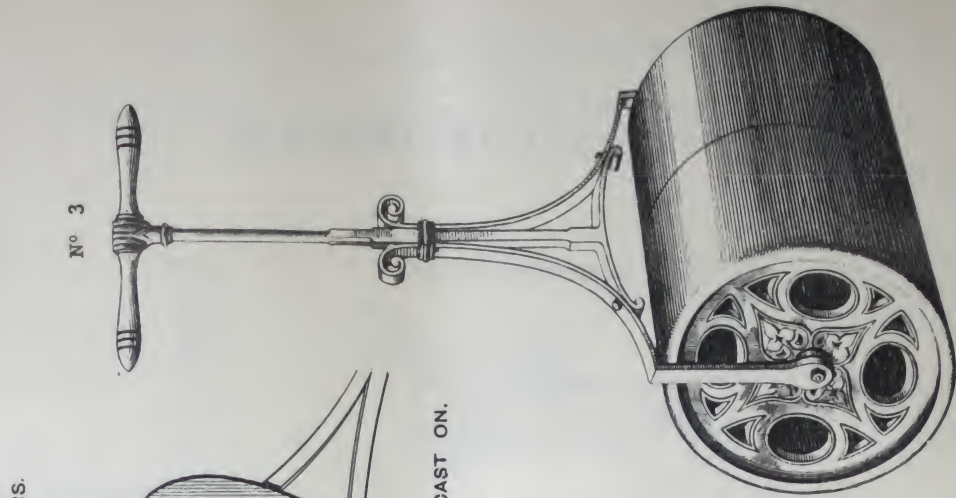
N^o. 2



SINGLE CYLINDER.

26 x 26, 28 x 28, 30 x 30 INCHES.

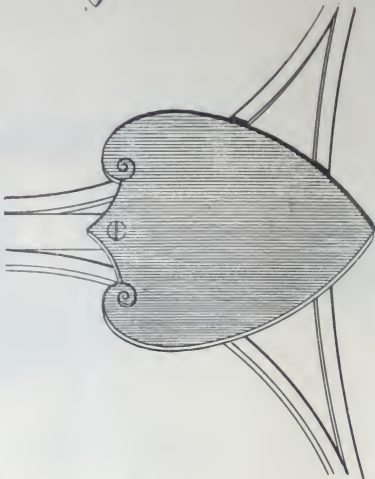
N^o. 3



DOUBLE CYLINDER.

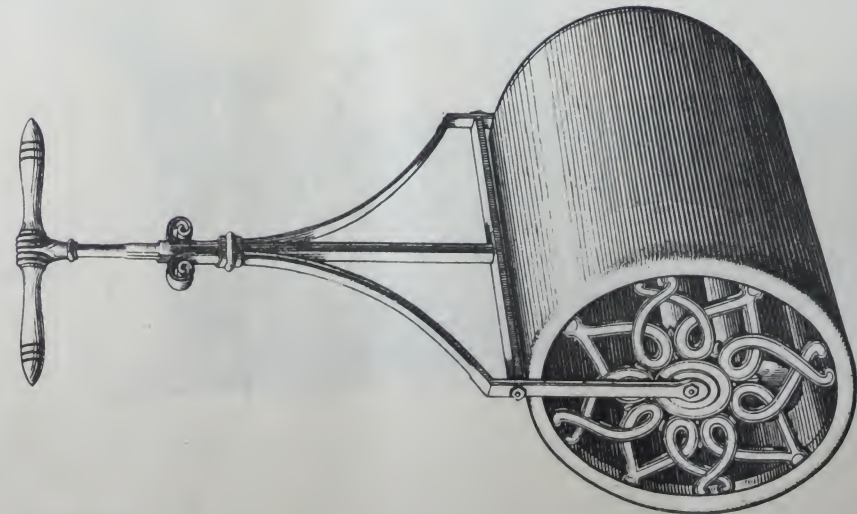
WIDE DIA. 18 x 16, 20 x 18, 22 x 20, 24 x 22, 26 x 24 INCHES.
28 x 26, 30 x 28,

NAME PLATE.
FITTED TO ROLLERS.



ANY CUSTOMERS NAME CAST ON.
TO ORDER

N^o. 1



SINGLE CYLINDER.

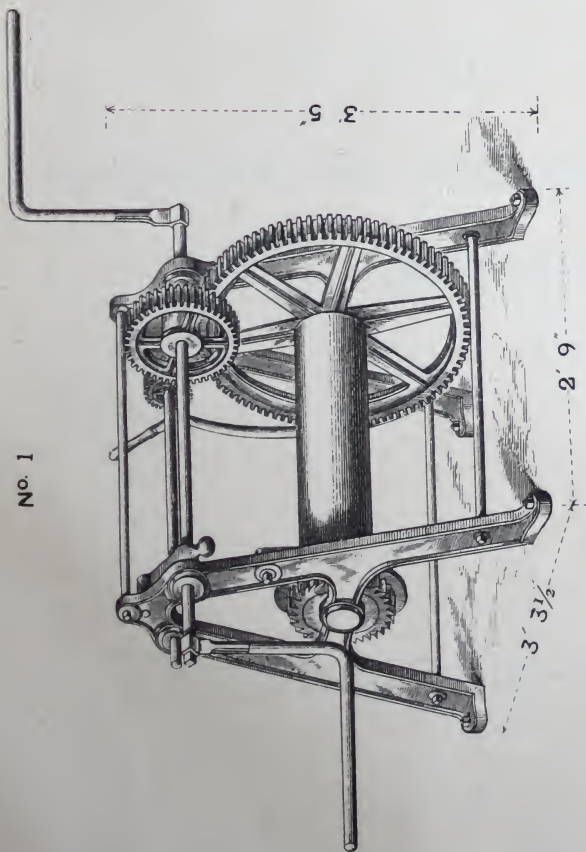
14 x 14, 16 x 16, 18 x 18, 20 x 20, 22 x 22, 24 x 24 INCHES.

Nos. 1 and 2 GARDEN ROLLERS have been improved by Casting Flanges round the inside of ends; this makes them much stronger, and prevents the edges from chipping, while the outer ends being rounded off

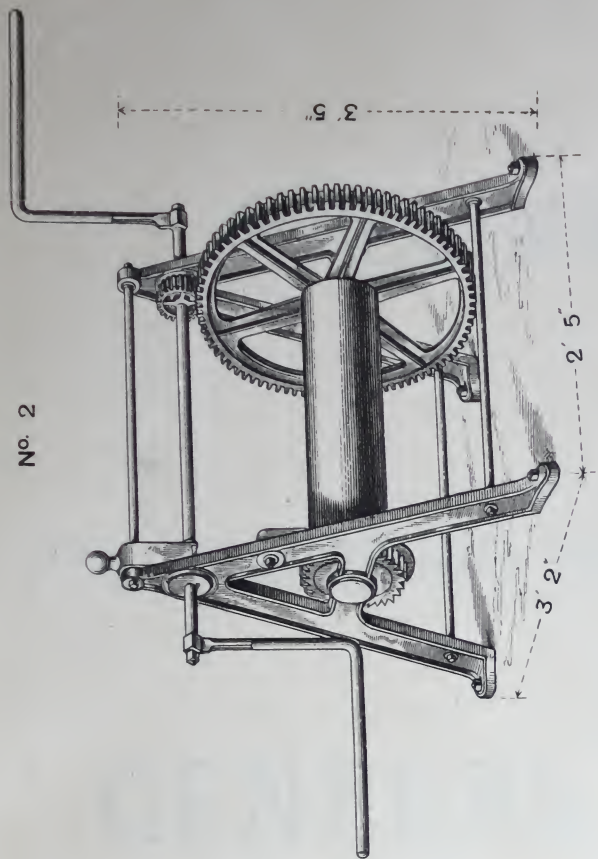
No. 3 DOUBLE CYLINDER GARDEN ROLLER has the ends Cast in, adding strength to both the centre and outside ends of Cylinder. The joint at centre is turned and faced, the Journals bored, and Axle turned, while the ends are rounded off. The ends are rounded off.

CRAB WINCHES, &C.

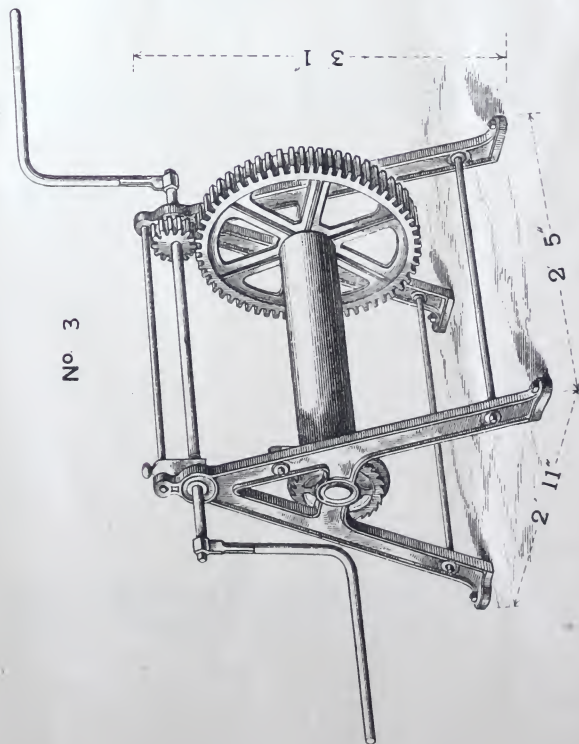
N^o. 1



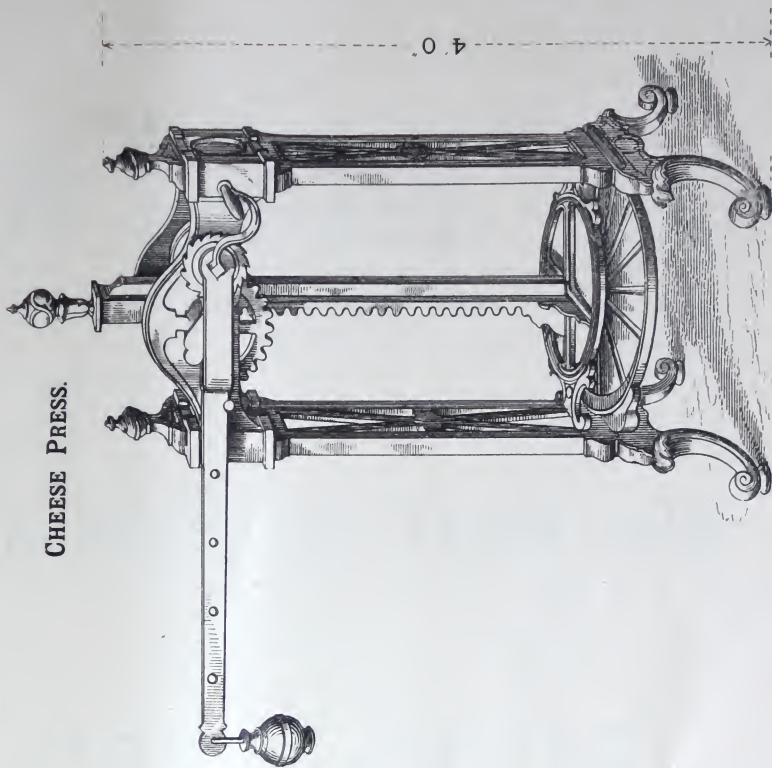
N^o. 2



N^o. 3



CHEESE PRESS.



SPECIMEN PLATES.

THE FOLLOWING ARE SELECTED FROM OUR

GENERAL CATALOGUE

WHICH IS TOO LARGE TO BE BOUND IN ONE VOLUME.

IT IS NOW ISSUED IN SECTIONS

ILLUSTRATING THE VARIOUS CLASSES OF CASTINGS

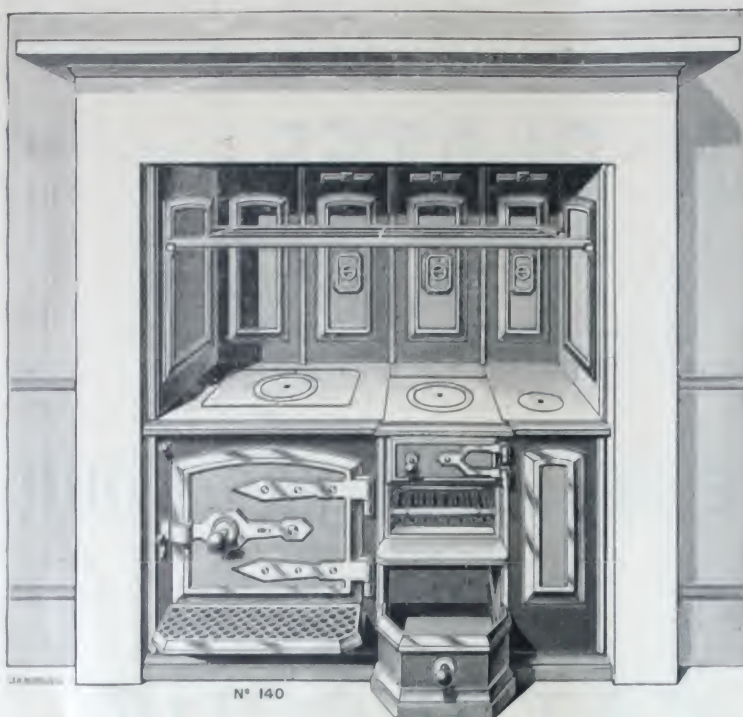
MANUFACTURED BY US.

Drawings and Prices on Application.

SPECIMEN PLATE.

RANGES, GRILLING STOVES AND HOT PLATES.

No. 140 P.—OVEN AND SHAM. With Cove Plates, Plate Rack, &c.



No. 140.—ROASTER AND OVEN,
Right or Left Hand.

Sizes in Clear,	Rostr.	Fire.	Oven.	
14 × 8 × 10 = 42 × 27 × 18 × 54 inches to top of Cove				
16 × 10 × 12 = 48 × 27 × 18 × 54				do.
18 × 12 × 14 = 54 × 27 × 18 × 54				do.
20 × 12 × 18 = 60 × 27 × 18 × 54				do.

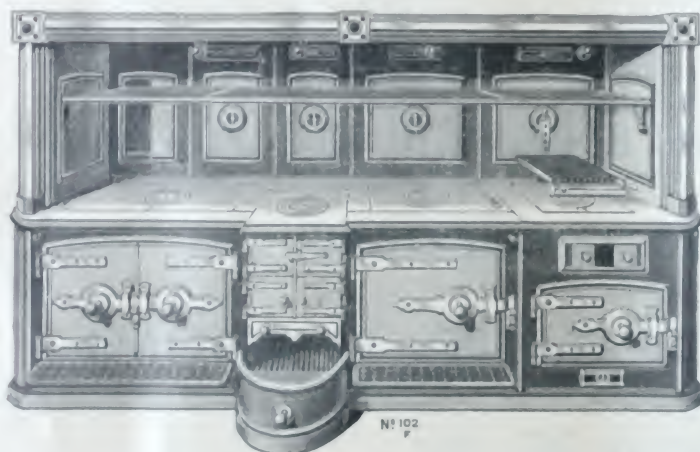
No. 140 A.—OVEN AND BOILER,
Right or Left Hand.

Sizes in Clear,	Rostr.	Fire.	Boiler.	
14 × 8 × 9 = 36 × 27 × 18 × 54 inches to top of Cove				
16 × 10 × 11 = 42 × 27 × 18 × 54				do.
18 × 12 × 13 = 48 × 27 × 18 × 54				do.
20 × 12 × 13 = 50 × 27 × 18 × 54				do.

No. 140 B.—OVEN AND SHAM,
Right or Left Hand.

Sizes in Clear,	Rostr.	Fire.	Sham.	
18 × 8 × 5 = 36 × 27 × 18 × 54 inches to top of Cove				
18 × 10 × 9 = 42 × 27 × 18 × 54				do.
20 × 12 × 11 = 48 × 27 × 18 × 54				do.

Can also be had with Open and Close Fire arrangement, Lifting Fire Bottom, Rounded Ends, and Skirting instead of Cove Plates.



No. 102 F.—CLOSE FIRE COOKING RANGE.

With Roaster and Oven, also Grilling Stove with Standard Grid-iron, Fluted Bars, Copper Gravy Trough; Hot Closet under Grill; Cove Plates, Plate Rack, 2 Br Outside Shelves, Frame Hobs, Fire Door in 2 halves, 3 Fire Bricks, and Mould all round above Hobs as drawn.

	Rostr.	Fire.	Oven.	Shelf.	wide.	high.
Inside Sizes,	24	18	24	30	108	30 inches.
Fronts Measure,	30 in.	30 in.				

No. 242.—GRILLING STOVE.



Grilling Stove, with Hot Closet, having Bright Sliding Doors, Hinges, and Knobs, Bright Grid-iron with Fluted Bars, Two Handles, Copper Gravy Trough and Swinging Gear, Panelled Sides and Back Cove Plates, Tiled Pilasters with Bright Steel Moulding, Cast Pediment, Sliding Doors to regulate draught, Ash pit Door with Bright Knob, and Cast Plate over Recess to form Fuel Space Size as drawn, and 24 in. Front to back.

Can also be had with Plain Moulded Cornice, as No. 241.



No. 6.—HOT PLATE.

Sizes—3 ft. 6 in.; 4 ft.; 4 ft. 6 in.; and 5 ft. wide.

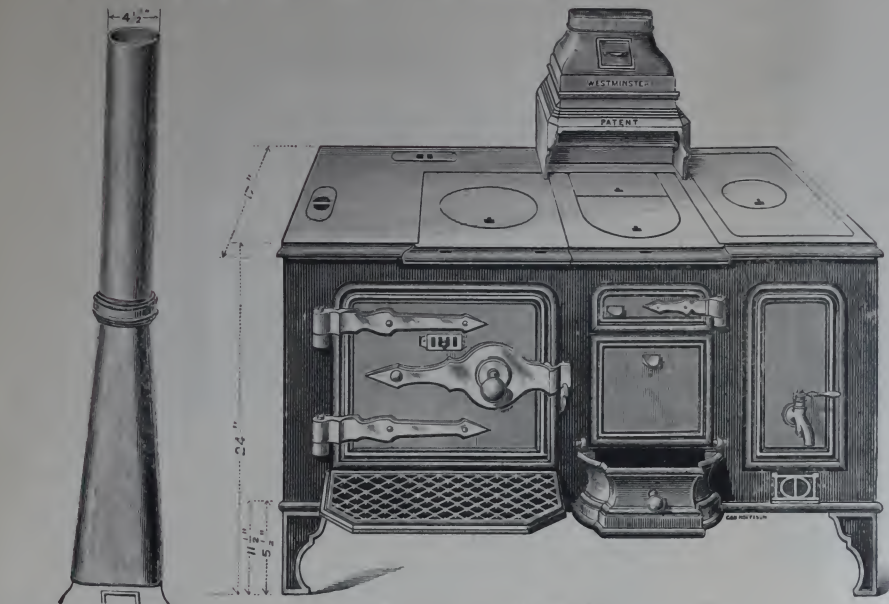
HANDS.

SPECIMEN PLATE.

SELF-SETTING RANGES.

WESTMINSTER RANGES.

Efficient Open and Close Ranges, combined with the easiest transition possible from Close to Open, and *vice versa*.
Worked by a Single Damper, and with one movement only.



Flue Pipes can also be supplied
3' 0" or 4' 10" High from Top of
Hob, to Order.

Can also be had with Legs 11 1/2" High.

LEGS CAN BE UNSCREWED FOR PACKING.

No. 141. WESTMINSTER RANGE.

OVEN AND SHAM. With Bright Banjo Fittings.

Sizes,	24	26	30	36	42 inches.
Ovens,	11	12	14	16	18 "

OVEN AND BOILER. With Brass Cock.

Sizes,	30	36	42 inches.
Ovens,	12	14	18 "



FIRE COVER

No. 142.

WESTMINSTER RANGE.

OVEN AND SHAM,
With Bright Banjo Fittings and Hot Closet
under Oven to keep dishes warm.

Sizes,	24	26	30	36	42 inches.
Ovens,	11	12	14	16	18 "

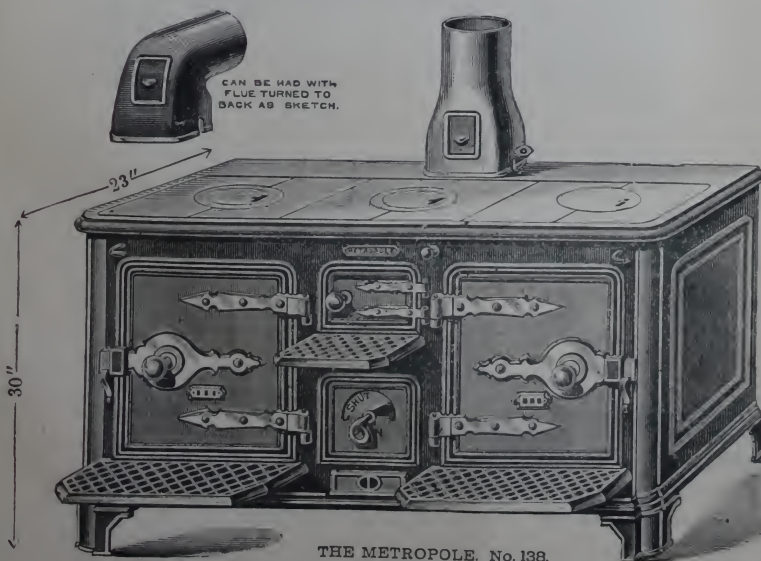
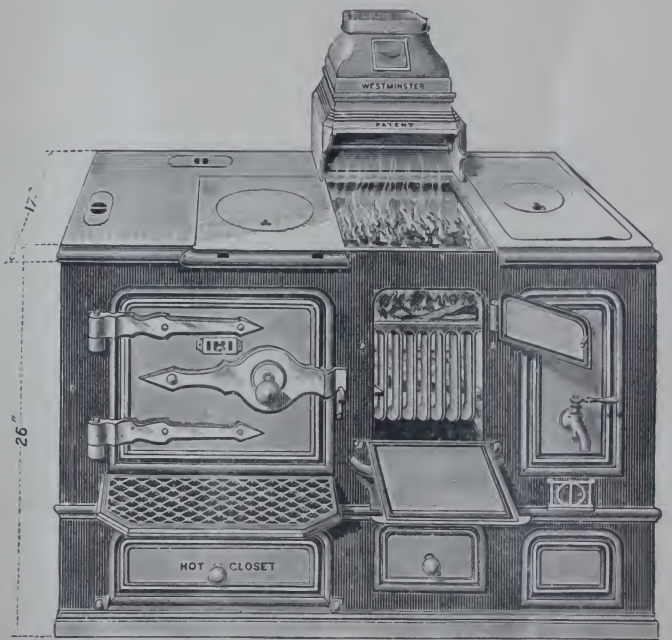
OVEN AND BOILER,
With Brass Cock.

Sizes,	30	36	42 inches.
Ovens,	12	14	18 "

Nothing to get out of order through expansion by heat or accumulation of soot.
The Damper being Malleable Cast it is almost indestructible.

NO EXTRA CHARGE FOR OPEN & CLOSE ARRANGEMENT.

These Ranges are the most Effectual and Economical in the Market; among other advantages may be mentioned: "Economy of Fuel;" "Simplicity of Management, no Complications;" "Working Parts can be replaced in a few minutes without taking the Range to Pieces;" "Impossible to get Out of Order."



THE METROPOLE. No. 138.

METROPOLE RANGES.

The Metropoles, No. 137 and No. 138, can also be had with Open and Close Fire Arrangement, at an extra price to order.

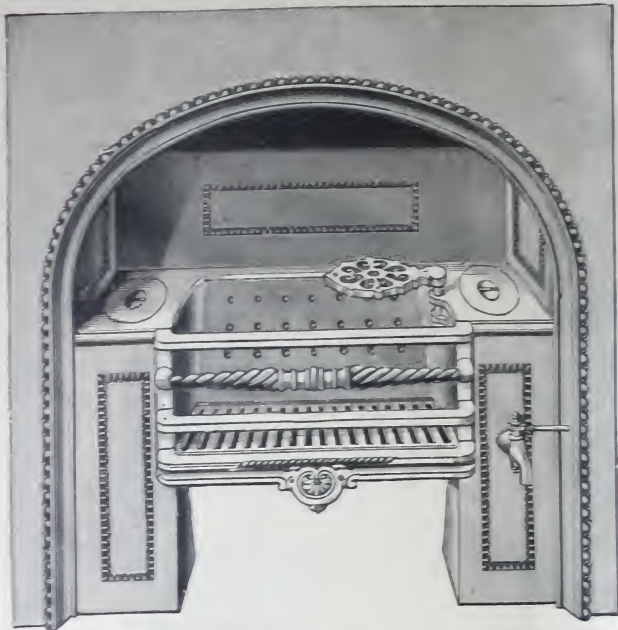
No. 137.—OVEN AND GALVAN- IZED WROUGHT IRON RIVETTED BOILER, 14 W.G.,	Sizes,	30	36	42	48
	Ovens,	12	14	18	22
	High,	25	30		

OVEN AND SHAM—	Sizes,	24	30	36	42	48
	Ovens,	12	14	14	18	22
	High,	25	30			

No. 138.—DOUBLE OVEN—	Sizes,	48	54
	Ovens,	14	16
	High,	30	

NOTE.—Provision has been made when required for the application of a Wrought Iron High Pressure Boiler for heating Baths, &c.,

SPECIMEN PLATE. REGISTER GRATES.



No. 1.—NURSERY GRATE.

With Boiler and Brass Tap.

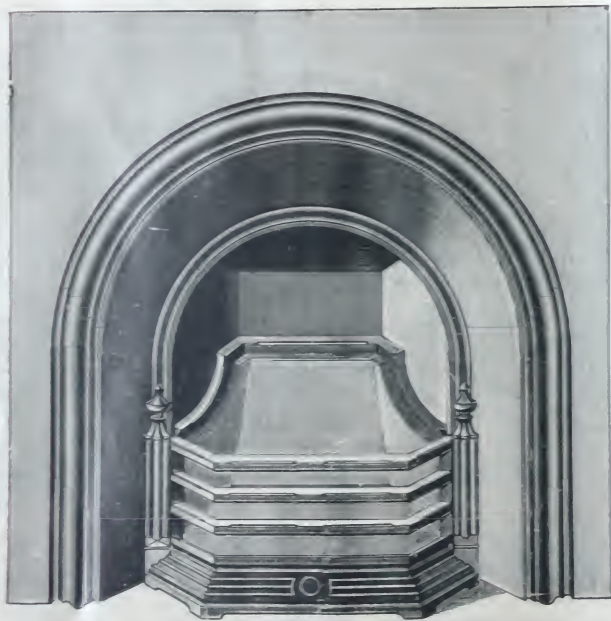
Sizes, ...	32 x 36	34 x 36	36 x 38	38 x 38 inches.
Fires, ...	14		18	



No. 152.—REGISTER GRATE.

With Lifting Bars and Brick Back. No. 152 can be had with Bars as No. 15.

Sizes, ...	24 x 36	26 x 36	28 x 36	30 x 36	32 x 36 inches.
Fires, ...		11		13	
Sizes, ...	34 x 36	33 x 38	38 x 38 inches.		
Fires, ...	15		17		



No. 181.—SLOW COMBUSTION REGISTER GRATE.

With Lifting Bars, Brick Back and Cheeks. Can be had with usual Bottom Grate.

Sizes, ...	33 x 38	38 x 38 inches.
Fires, ...	16	



No. 178.—REGISTER GRATE.

With Lifting Cast Bars, Brick Back, and Cheeks.

Sizes, ...	30 x 36	32 x 36	34 x 35	36 x 38	38 x 38 inches.
Fires, ...	14		16	18	20
Sizes, ...	42 x 42		43 x 42		inches.
Fires, ...	22		24		

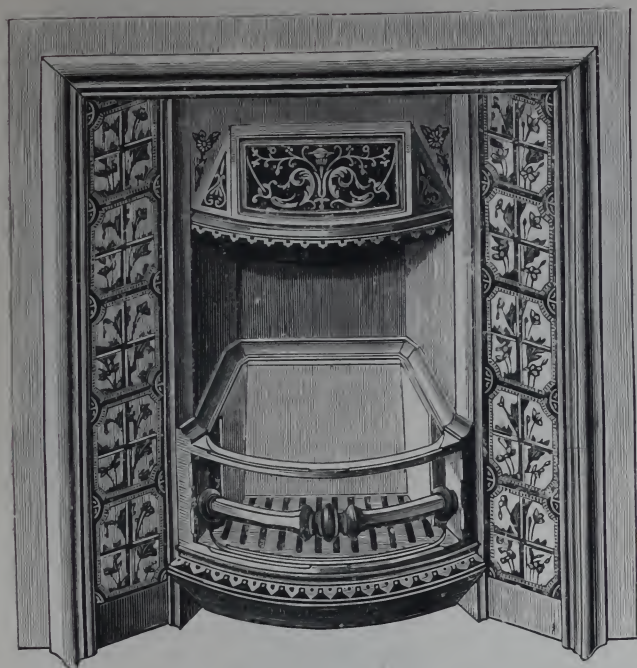


No. 6.—CURB FENDER.

Sizes, ... 36, 42, and 48 inches.

SPECIMEN PLATE.

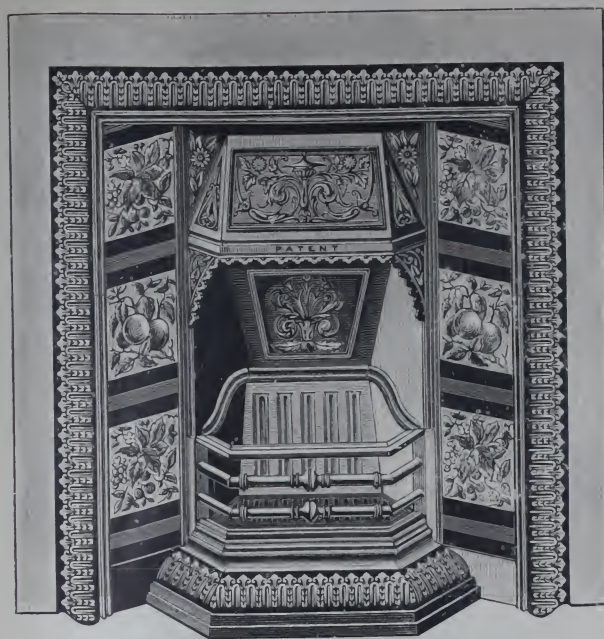
TILE REGISTERS MANTEL REGISTER GRATES AND CHIMNEY PIECES.



No. 176.—TILE REGISTER GRATE.

With Lifting Bars, Brick Back and Cheeks. Can be had either Slow Combustion or usual Bottom Grate.

Sizes,..... 36 × 38 38 × 38 40 × 40 inches.
Fires,..... 16



No. 198.—TILE REGISTER GRATE WITH PATENT BACK.

With Lifting Bars and Brick Back. Can be had with 4 Bars in Front, as No. 198, and either Slow Combustion or usual Bottom Grate.

Sizes,..... 30 × 36 32 × 36 34 × 36 36 × 38 38 × 38 ins.
Fires,..... 13 15



No. 200.—MANTEL REGISTER GRATE.

With Lifting Bars, Brick Back, Cheeks, Double Shelf and Lifting-off Canopy for convenience of sweeping Chimney. Can be had either Slow Combustion or usual Bottom Grate. Ashpan Front does not come close up to bottom of breast. See drawing.

Size,..... 42 × 48 inches.
Fire,..... 17



No. 19.—CHIMNEY PIECE.

With Single Shelf.

Can also be had with Double Shelf to Order.

Sizes,..... 24 × 36 30 × 36 inches.

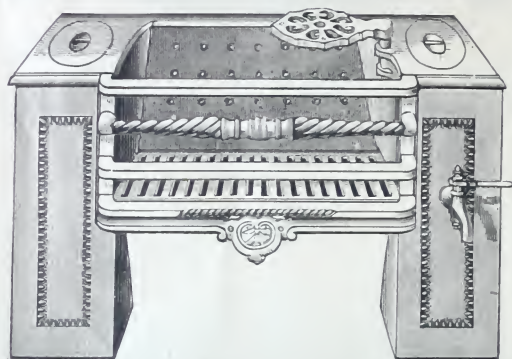
SPECIMEN PLATE.

GRATES AND STOVES.



No. 14.—DOG GRATE.

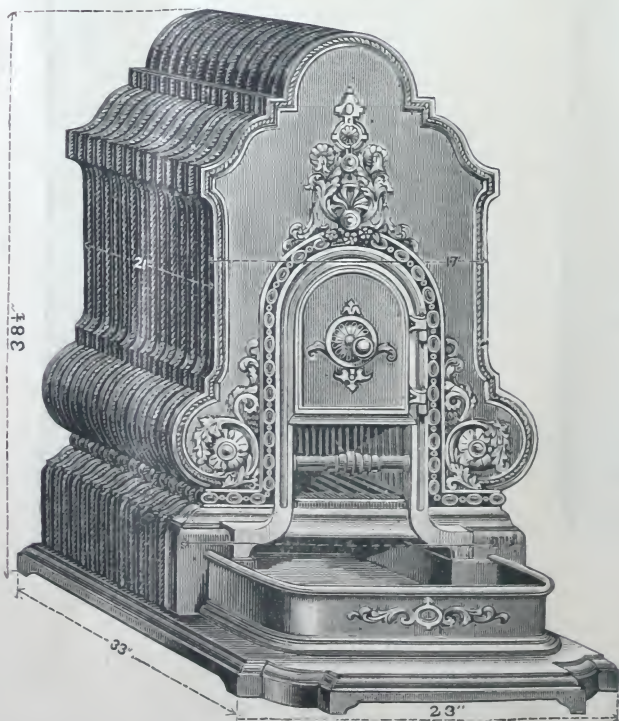
Width,.....25 inches.
Fire,.....18 "
Front to Back over all, 11½ inches.



No. 2.—NURSERY GRATE.

With Boiler and Brass Tap.

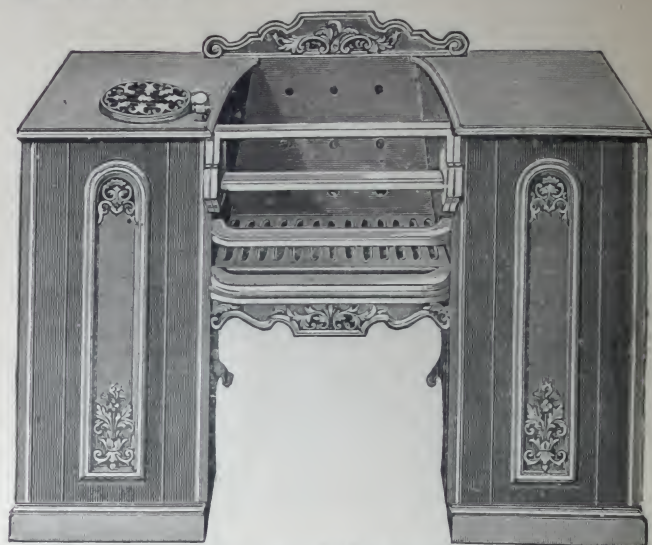
Sizes,.....28 30 36 inches.
Fires,.....14 18 "



No. 3.—GILL HOT-AIR STOVE.

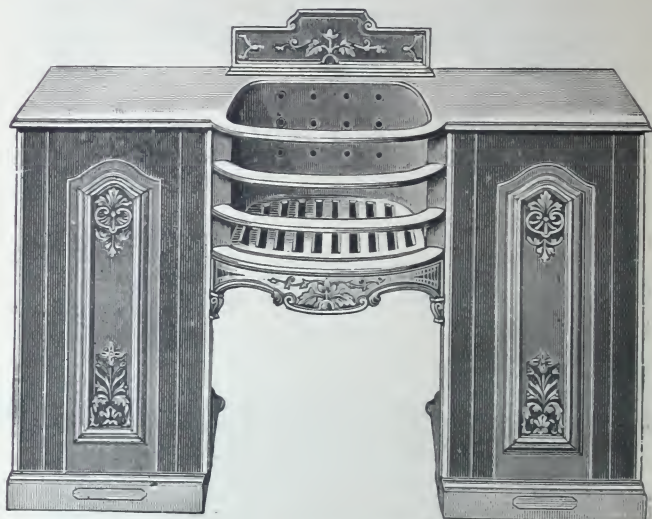
With 14 Gills, Base, and Ashpan. Heating power in cubic feet, about 13,000.

Sizes,	Front of Base.	Side of Base.	Height.	Flue Nozzle at Back.
23'	33"	38½"	5"	



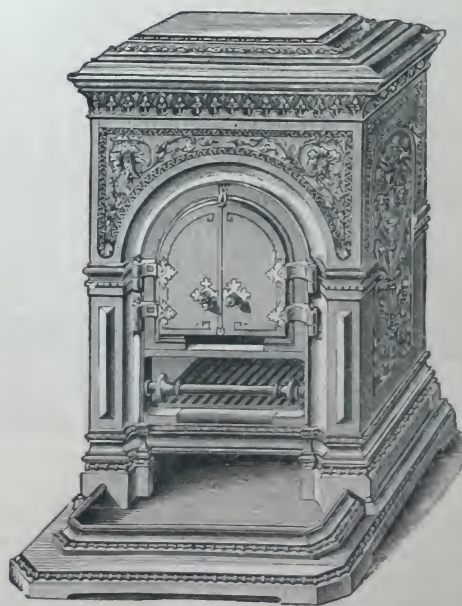
No. 4.—FALL-BAR RUMFORD.

Sizes,.....18 20 22 24 26 28 30 inches.
Fires,.....10 12 "



No. 20.—ELLIPTIC GRATE.

Sizes, 14 16 18 20 22 24 26 28 30 inches.
Fires, 8 10 "



No. 157.—OPEN FIRE HALL STOVE.

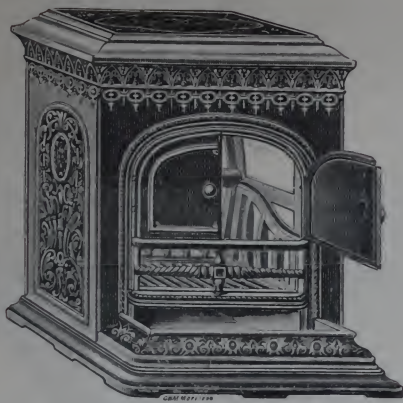
Fire-Brick Lined, with Double Fire Doors, Base and Ashpan.

Sizes,	Front of Body.	Side of Body.	Height.	Fire.	Flue Nozzle at Back.
18½"	12"	33½"	12"	6"	

Size of Base.—21 × 24 inches.

SPECIMEN PLATE.

OPEN FIRE AND SLOW COMBUSTION STOVES.



No. 150.—OPEN FIRE HOT-AIR STOVE.

With Strong and Superior Fire Brick Cockle in Metal Frame, and also Metal Protector in Fire; Ornamental Iron Outside Case, fitted with Doors or Loose Blower, Base, and Ashpan complete. The Ornamental Top Smooth Finished, and the Outside Case Dressed and Stove Blacked.

Sizes.	Front of Body.	Side of Body.	Height.	Fire.	Flue Nozzle at Back.	Heating Power in Cubic Feet.
No. 1	23½"	20"	38"	15"	6"	About 15,000
No. 2	25½"	20"	38"	17"	6"	" 18,000
No. 3	28"	20"	38"	19"	6"	" 25,000
No. 4	33"	20"	40"	21"	6"	" 30,000

* Size of Base.—No. 1 27" x 32" Size of Base.—No. 3 32" x 32"
 " " No. 2 29" x 32" " " No. 4 35" x 32"



No. 150a.—OPEN FIRE HOT AIR STOVE.

With Tiles as drawn.

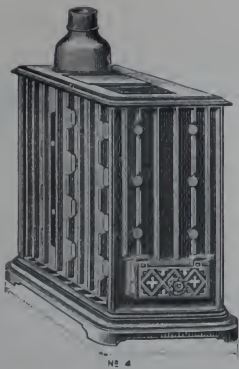
Sizes, &c., as No. 150.



No. 163.—"THE WARMER"
ROUND SLOW COMBUSTION STOVE.

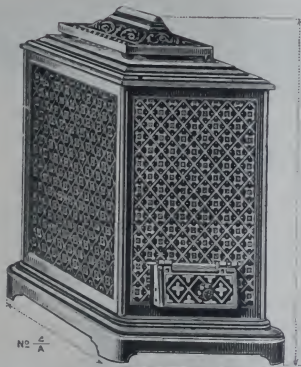
Fire-Brick Lined, with Loose Pan in Front.

Sizes.	Diameter.	Height.	Flue Nozzle (Outside Diameter).	Heating Power in Cubic Feet.
No. 0	9"	25"	3"	About 2,000
No. 1	10"	25"	3"	" 6,000
No. 2	12"	30½"	3½"	" 10,000
No. 3	14"	36"	4½"	" 15,000



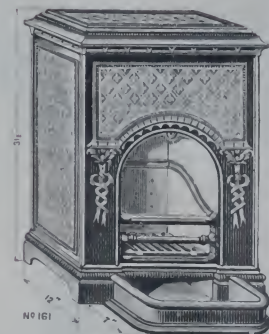
No. 4.—SLOW COMBUSTION STOVE.
Brick Lined.

Sizes.	Front of Base.	Side of Base.	Height.	Flue Nozzle on Top.	Heating Power in Cubic Feet.
No. 1	16½"	22½"	28"	4"	About 10,000
No. 2	21½"	27½"	33"	5"	" 17,000



No. 4a.—SLOW COMBUSTION STOVE.
Brick Lined.

Sizes.	Front of Base.	Side of Base.	Height.	Flue Nozzle at Back.	Heating Power in Cubic Feet.
No. 1	16½"	22½"	32½"	4"	About 10,000
No. 2	21½"	27½"	37"	5"	" 17,000



No. 161.—OPEN FIRE HOT-AIR STOVE.
With Tiles, Movable Blower, and Loose Ashpan.
Ground and Berlin Blacked.

Sizes.	Front of Base.	Side of Base.	Height.	Fire.	Flue Nozzle at Back.
With Tiles, ..	20"	12"	31½"	9"	5"



IMPROVED ECONOMIC SLOW COMBUSTION
HOT-AIR STOVE.

The construction of this Stove is different from all others; the sides are made of a series of Hollow Columns; up these Columns the heated air passes, and out through the Perforated Top. The surface of the Stove is much increased by the form of the sides, thereby giving out a greater amount of radiant heat.

The Fireplace being made of Thick Firebrick Lining, the heat passes slowly through to the outside of the Stove, is radiated into the apartment from a large and moderately heated surface, affording a genial and well-diffused temperature throughout.

Base can be made solid all round when bringing the air from outside of the building.

Sizes.	Base.	Height.	Flue Nozzle.	Heating Power in Cubic Feet.
No. 1	17" x 21"	31½"	4½"	About 10,000
No. 2	21" x 25"	36½"	5"	" 18,000
No. 3	23" x 29"	38"	6"	" 25,000



Nos. 1, 2, and 3.—LAUNDRY STOVES.

Sizes.	Front of Body.	Side of Body.	Height.	Flue Nozzle.
No. 1	10"	13"	24½"	4"
No. 2	12"	15"	26"	4"
No. 3	14"	17"	29½"	4½"

SPECIMEN PLATE.

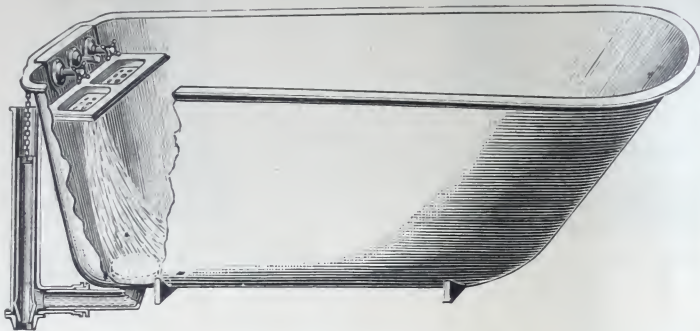
SANITARY APPLIANCES.

No. 10.

With Registered Fittings and Earthenware Soap Trays inside, also Overflow and Waste Pipes separate from Bath.

Showing the working parts with Bath full of Water.

Sizes (Inside).....1' 9" to 2' 3" x 5' 6" Long. 1' 8½" Deep.

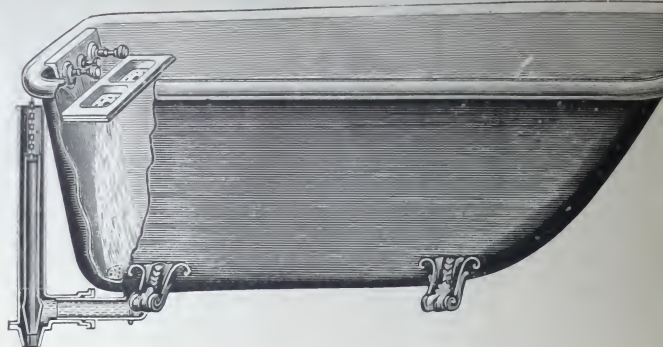


No. 14.

With Registered Fittings and Earthenware Soap Trays inside, Overflow and Waste Pipes separate from Bath.

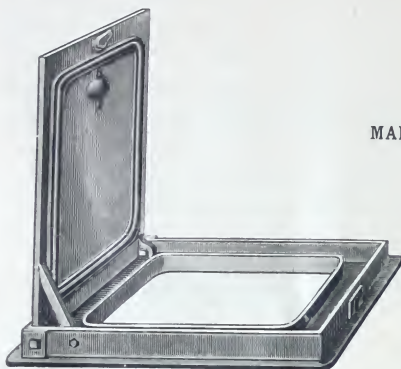
With Round Roll on Brim, no Wood Work required.

Sizes (Inside).....1' 9" to 2' 3" x 5' 6" Long. 1' 8½" Deep.

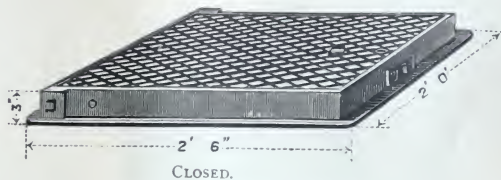


No. 26.

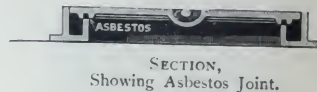
MANHOLE COVER AND FRAME, with Hinges, Lock, and Asbestos Joint.



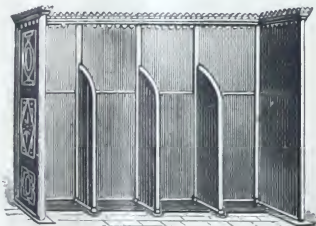
OPEN.



CLOSED.



SECTION,
Showing Asbestos Joint.



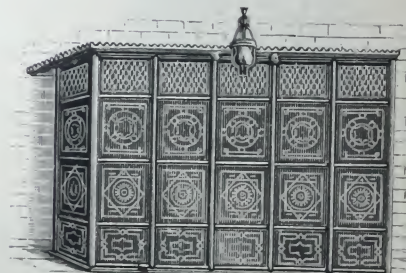
No. 5.—URINAL.

FOR 5 PERSONS. INTERIOR ELEVATION.



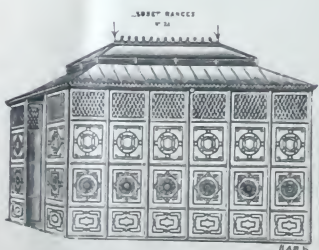
No. 8.—CIRCULAR URINAL.

FOR 2 PERSONS.



No. 4.—WATER CLOSET.

RANGE FOR 5 PERSONS.

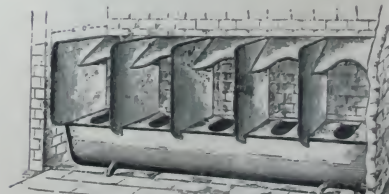


No. 22.—CLOSET RANGE.



SECTION OF No. 22 CLOSET RANGE.

CROSS SECTION OF SELF-ACTING
WASH-OUT CLOSET, CISTERN
AND FITTINGS.



No. 3.—WATER CLOSET.

RANGE FOR 5 PERSONS. INTERIOR ELEVATION.

No. 22 Closet Range is partly similar to No. 5 made double, the Troughs being set back to back, with Screen Plates enclosing on each side, and having raised Roof (supported on Wrought-iron T Rafters), the lower part of which is formed of Cast-iron Astrigals prepared for glass, and the upper part of plain Cast-iron Plates, or Astrigals (if preferred) with Venetian Ventilators between.

On Drawing we show a separate compartment, having two special Earthenware, Self-acting, Wash-out Closets, with Cisterns and Fittings complete. By such combined arrangements these Offices are found very suitable for Military and Manufacturing Establishments. The one enclosure accommodates the Officers or those in charge, and the other the men. They can be supplied in Ranges fitted exclusively of the one kind or of the other, and for any number of persons.

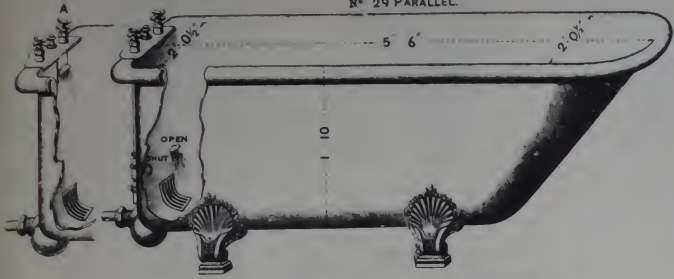
SPECIMEN PLATE.

BATHS AND SANITARY APPLIANCES

N^o 27 & 29

THE INLETS ARE PLACED NEAR BOTTOM OF BATH, THUS PREVENTING TO A LARGE EXTENT THE ESCAPE OF STEAM INTO BATHROOM, THEY HAVE HINGED COVERS WHICH OPEN BY THE FORCE OF WATER FLOWING INTO BATH, AND CLOSE WHEN THE WATER IS RECEDING OUT OF BATH, WHICH PREVENTS THE RETURN OF WATER THROUGH SUPPLY PIPE. CAN ALSO BE SUPPLIED WITH SINGLE INLET FOR HOT AND COLD WATER AT TOP OF BATH AS SHOWN AT A.

N^o 29 PARALLEL.



N^o 35

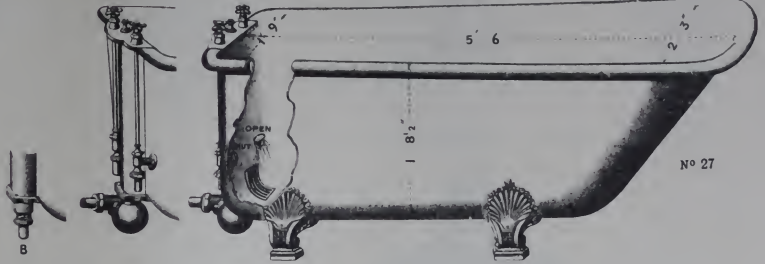


DEPTH 1' 0" INSIDE

N^o 27 & 29

WITH NEW PATENT FITTINGS AND ROUND ROLL ON BRIM, NO WOOD WORK REQUIRED. THE WASTE PIPE IS CAST ON BATH, THE TRAP IS REVERSIBLE, (I.E., RIGHT OR LEFT HAND OR AT BACK,) AND STANDS ABOVE THE FLOOR LEVEL, WHICH MAKES THE BATH SELF FIXING. NO CUTTING OF FLOOR FOR TRAP REQUIRED, IT HAS MERELY TO BE PLACED IN POSITION AND CONNECTED WITH WASTE PIPE. CAN ALSO BE SUPPLIED WITH CONNEXION FOR WASTE PIPE AS SHOWN AT B INSTEAD OF TRAP.

CAN ALSO BE SUPPLIED WITH FITTINGS AS SHOWN ON N^o 10 OR 21



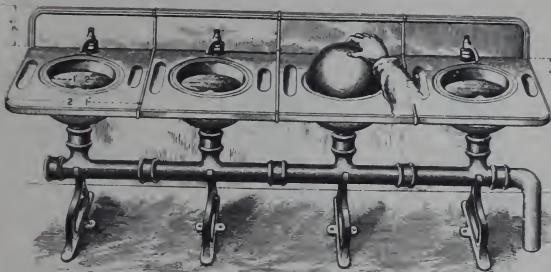
N^o 27

No. 35.—With new patent fittings and round roll on brim, no wood word required. The waste pipe is cast on Bath, the trap is reversible (i.e., right or left hand or at back), and stands above the floor level, which makes the Bath self-fixing. No cutting of floor for trap required, it has merely to be placed in position and connected with waste pipe. Can also be supplied with connection for waste pipe as shown at B on No. 27 Bath, instead of trap.

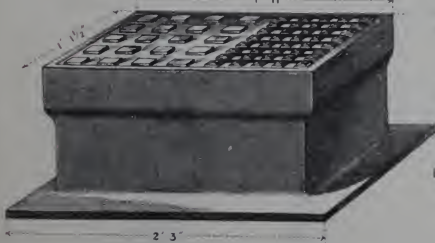
The inlets are placed near bottom of Bath, thus preventing to a large extent the escape of steam into Bathroom. They have hinged covers which open by the force of water flowing into Bath, and close when the water is receding out of Bath, which prevents the return of water through supply pipe. Can also be supplied with single inlet for Hot and Cold Water at top of Bath, as shown at A on No. 29 Bath. Can also be supplied with fittings as shown in No. 10 or 21.

NOTE.—Our superior finished Sienna Marble or White Enamelled Baths are got up in a very artistic manner, and our process of Enamelling is of such a nature that the Enamel expands and contracts with the Iron when used with hot water. We recommend them in preference to the Porcelain Enamel.

N^o 17 FOR 4 PERSONS



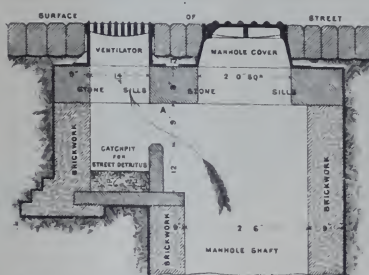
COMBINED FLUSHING BOX & SEWER VENTILATOR.



SECTION

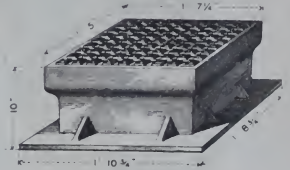


APPLICATION OF MANHOLE COVER AND VENTILATOR

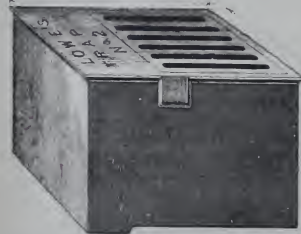


NOTE.—The Area of the Opening A should not be less than the superficial Area of the open space between the Bars of the grated Ventilator Cover.

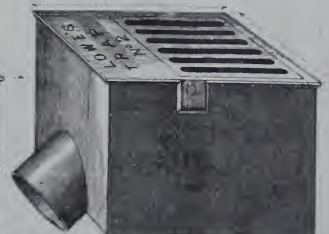
SEWER VENTILATOR N^o 13



LOWE'S TRAP
OUTLET ON BOTTOM



LOWE'S TRAP
OUTLET ON CORNER



N ^o	LENGTH	BREADTH	DEPTH
N ^o 2	2' 0"	1' 0"	1' 0"
N ^o 3	2' 0"	1' 0"	1' 0"
N ^o 4	2' 0"	1' 0"	1' 0"
N ^o 5	2' 0"	1' 0"	1' 0"

N^o 20



AIR TIGHT.

SECTION THROUGH A—A

SIZES.

1' 2" x 1' 2"	1' 6" x 2' 0"
1' 0" x 2' 0"	2' 0" x 2' 0"
1' 6" x 1' 6"	2' 6" x 2' 6"

N^o 22

WITH TWO LIFTING KEYS.



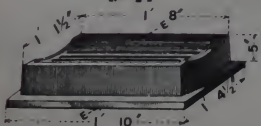
SIZES.

1' 4" x 1' 10"



SECTION THROUGH C—C

N^o 24



SIZES.

1' 1 1/2" x 1' 8"



SECTION THROUGH E—E

N^o 23



SIZES.

2' 1 1/4"

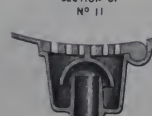


SECTION THROUGH D—D

N^o 11



SECTION OF N^o 11

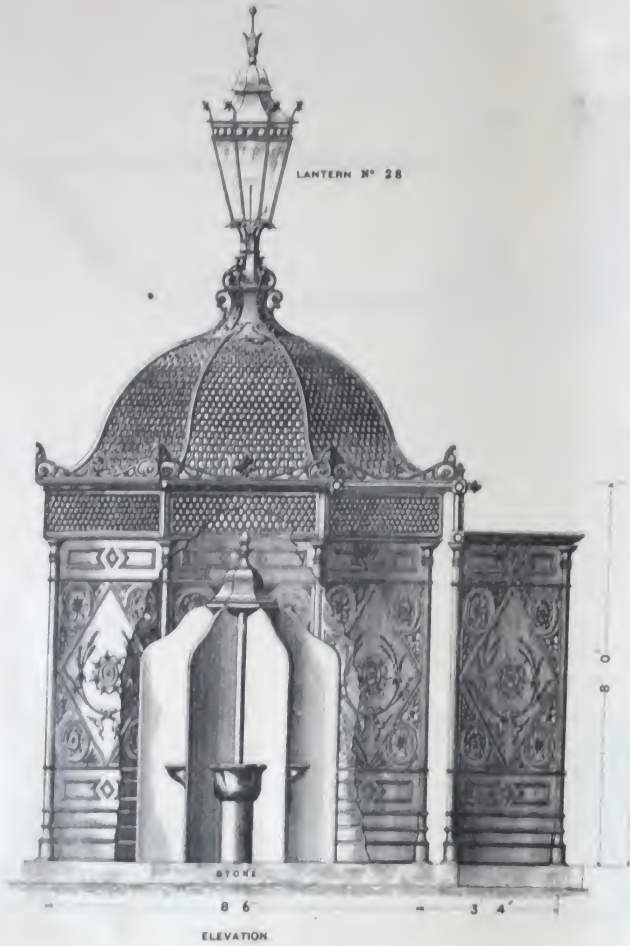


N^o 2
STOP COCK CASE



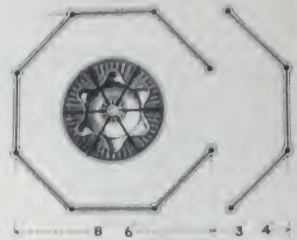
9 3/4" SQUARE

URINAL N° 11



SPECIMEN PLATE.

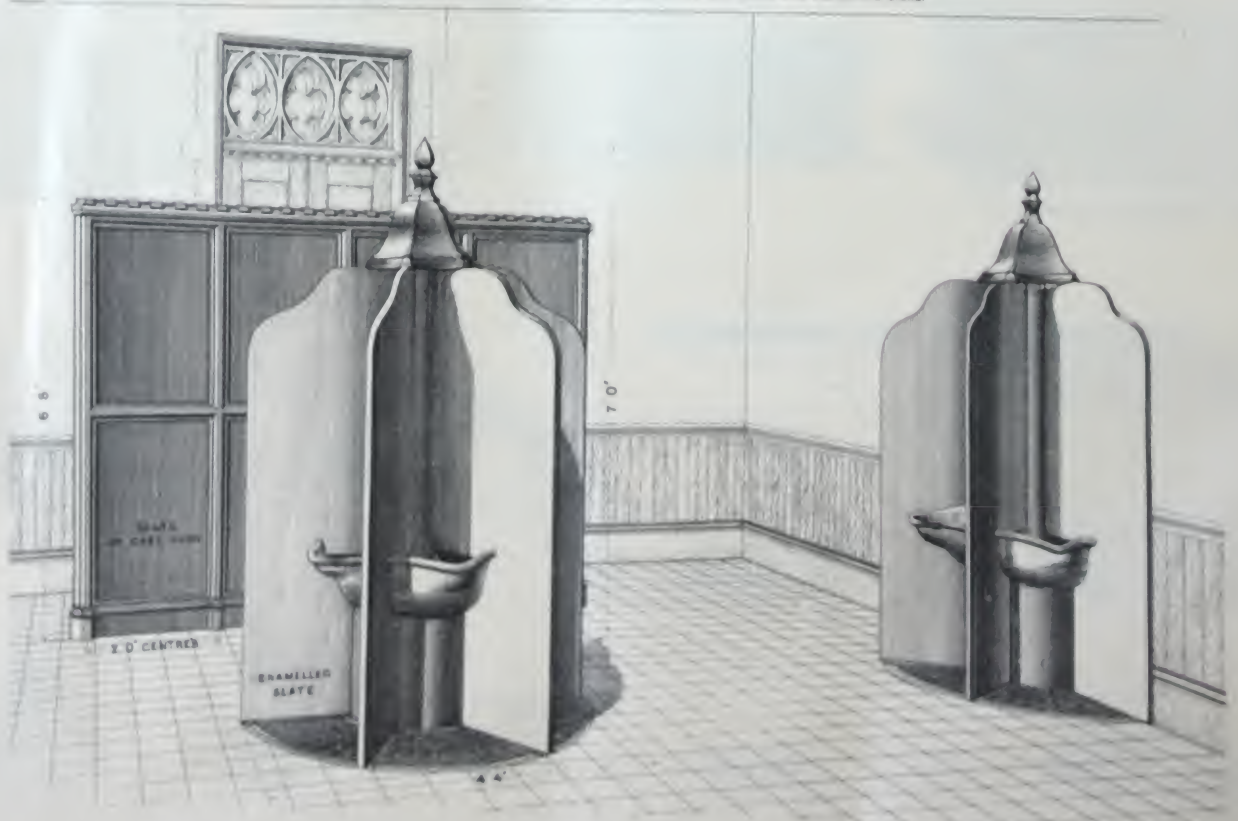
PLAN



CAN ALSO BE SUPPLIED WITH GLASS
ROOF AS N° 9 URINAL OR OTHERWISE
TO ORDER.

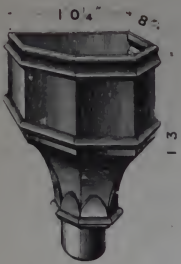
EXAMPLE SHOWING APPLICATION OF N° 10 HEXAGONAL URINAL WITH N° 10 SCREEN

THIS URINAL IS PROVIDED WITH SELF-ACTING BRASS VALVE AND DOOR FOR EXAMINING SAME.



SPECIMEN PLATE.

N^o 182



4" ROUND, OR
4" x 3 1/2" RECT^r. PIPE.

N^o 182
RIGHT HAND.
CAN ALSO BE HAD LEFT.



4" ROUND, OR
4" x 3 1/2" RECT^r. PIPE.

N^o 8



A 5 x 3 1/2 IN.
B 6 x 4 IN.
C 5 x 6 IN.

N^o 8 ANGLE
RIGHT HAND.
CAN ALSO BE HAD LEFT.



A 5 x 3 1/2 IN.
B 6 x 4 IN.
C 5 x 6 IN.

N^o 180



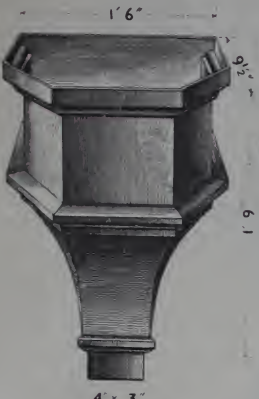
4 x 3 IN

N^o 180 ANGLE
RIGHT HAND.
CAN ALSO BE HAD LEFT.



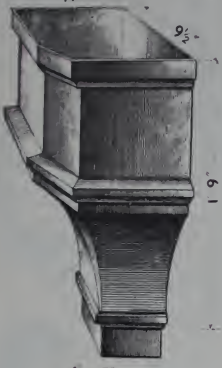
4 x 3 IN

N^o 19



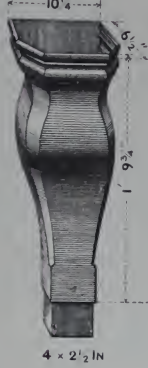
4 x 3

N^o 19 ANGLE.
RIGHT HAND.
CAN ALSO BE HAD LEFT.



4 x 3

N^o 181



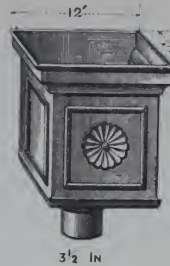
4 x 2 1/2 IN

N^o 181 ANGLE
RIGHT HAND.
CAN ALSO BE HAD LEFT.



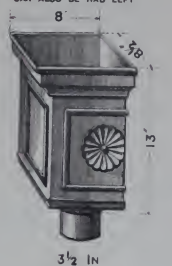
4 x 2 1/2 IN

N^o 167



3 1/2 IN

N^o 167 ANGLE
RIGHT HAND.
CAN ALSO BE HAD LEFT.



3 1/2 IN



PROJECTIONS
3, 4 1/2, 5, 6, 9, 10, 12, 15, 18, 21 1/4"

N^o 90
WITH BRASS BOLT AND RIVETED PIN

COMMON
OR
QUARTER BEND



OBTUSE BEND
WITH CLEANING DOOR



SINGLE BRANCH
N^o 2



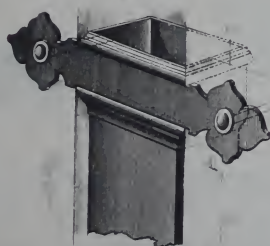
T PIECE
WITH SOCKET ON BRANCH



SYMPHON TRAP
WITH BRASS CLEANING SCREW
N^o 2



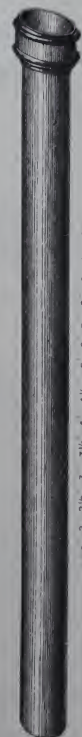
FLA^r BAND AND EAR FOR FIXING
RECTANGULAR PIPE INTO CHASE IN WALL.
N^o 82



FOR RECTANGULAR PIPE
N^o 81



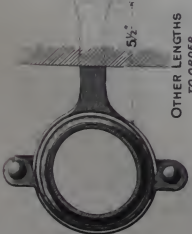
WITHOUT EARS



SECTION

4 1/2 x 1 1/2

PLAN



OTHER LENGTHS
TO ORDER

PLAN



PLAN



N^o 1



N^o 12



N^o 5



N^o 14



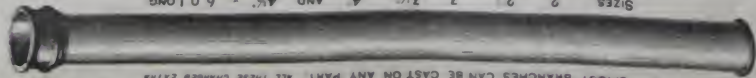
SANITARY APPLIANCES.

Plain, Galvanized, and Coated with Dr. Angus Smith's Solution, also, GLASS ENAMELLED Inside.

MEDIUM SOIL PIPES AND CONNEXIONS. ALWAYS SUPPLIED WITHOUT EARS, UNLESS OTHERWISE ORDERED.

SPECIAL CONNEXIONS WITH CLOSETS.

No. 14

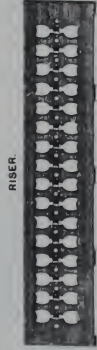
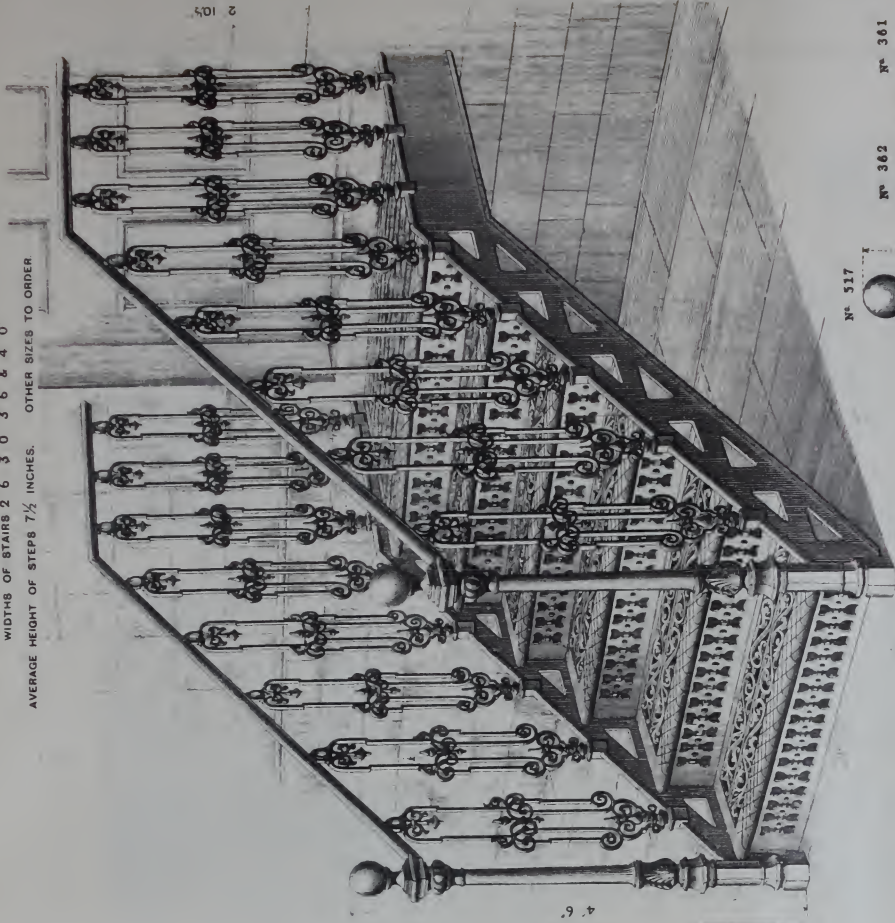


SPECIMEN PLATE.

STAIRS

N° 34

WITH N° 343 BALUSTER AND N° 592 NEWEL
WIDTHS OF STAIRS 2' 6" 3' 0" 3' 6" & 4' 0"
AVERAGE HEIGHT OF STEPS 7 1/2 INCHES. OTHER SIZES TO ORDER

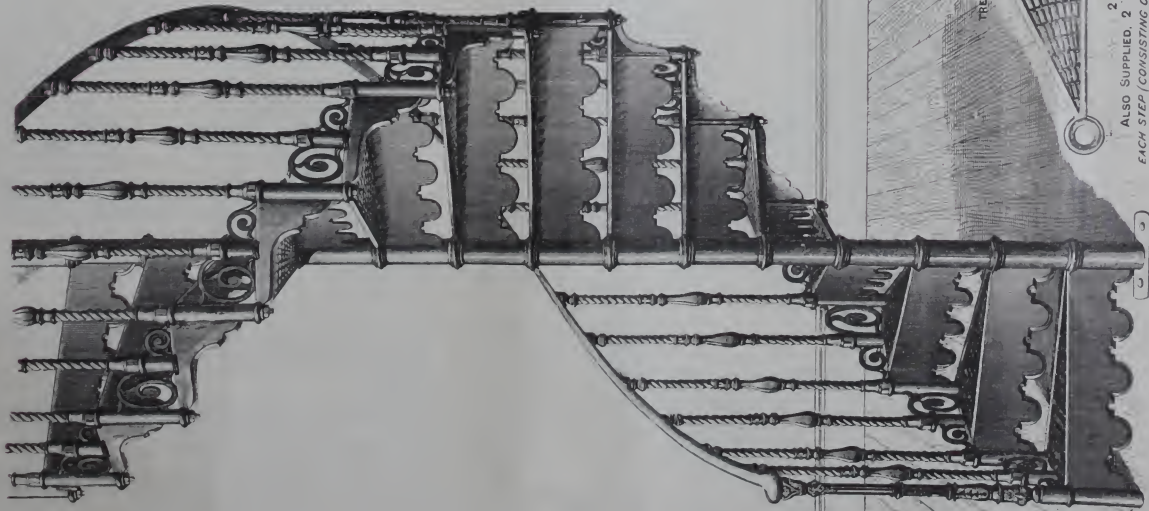


CAN ALSO BE SUPPLIED 2' 6" 3' 6" & 4' 0"

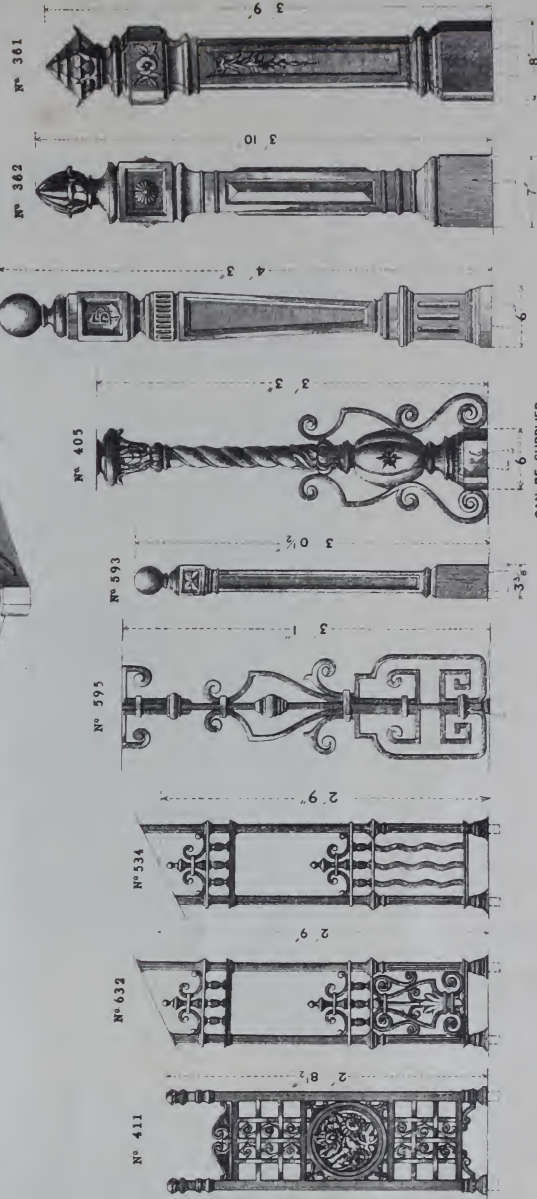
SPIRAL STAIRS

N° 26

RIGHT OR LEFT HAND
DIAMETERS 4' 0" 4' 6" AND 5' 0"
AVERAGE HEIGHT OF STEPS 7 1/2 INCHES. OTHER SIZES TO ORDER
WITH N° 598 AND N° 527 BALUSTER AND N° 331 NEWEL
EACH STEP (CONSISTING OF RISER, TREAD & BRACKET) CAST IN ONE PIECE

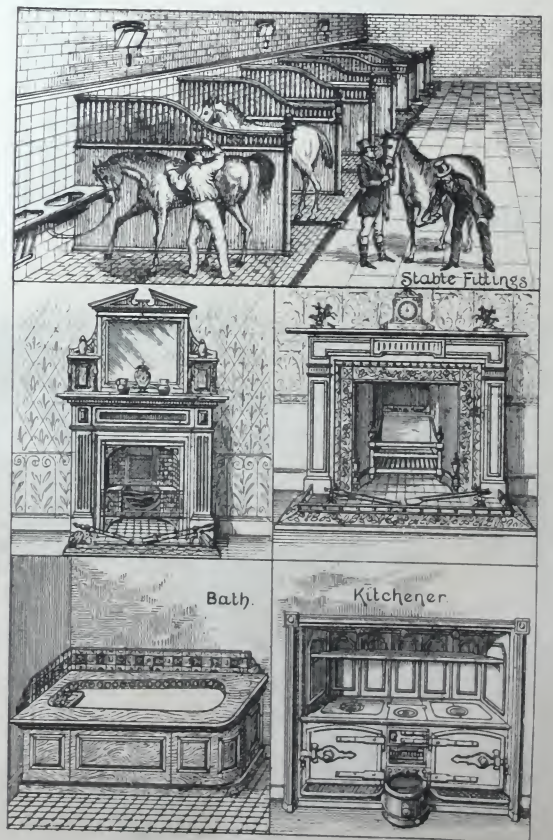


ALSO SUPPLIED 2' 0" AND 2' 3" RADIUS
EACH STEP (CONSISTING OF RISER, TREAD & BRACKET)
CAST IN ONE PIECE



CAN BE SUPPLIED
WITH OR WITHOUT
WROTE IRON SCROLLS 2 AND 4 WAYS
TO ORDER.

SPECIMEN PLATE.



SPECIMEN PLATE.



Entrance Gates No 2070



Bandstand No 4

SPECIMEN PLATE.

EXAMPLE SHEWING APPLICATION OF IRONWORK.

ERECTED AT MITCHAM.
NEAR ADELAIDE.



Nº 13

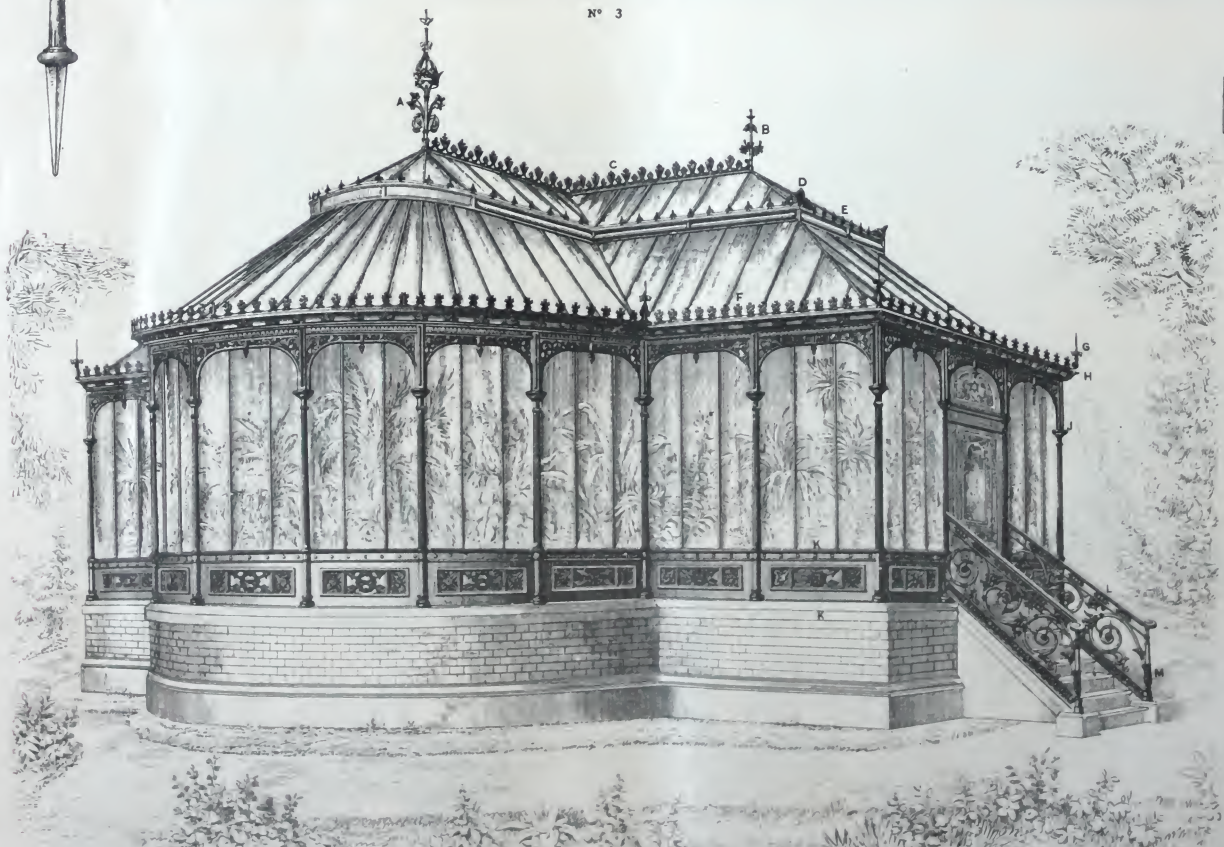


Upper.	No. 49	COLUMN.	Lower.	No. 40	COLUMN	No. 176	FINIAL (ON TOWER).	No. 84	LAMP STAND WITH
	Nos. 101-102	SPANDRILS		Nos. 87-88	SPANDRILS.	No. 1	VASE (ON TOP OF MAIN BUILDING)	No. 40	LANTERN (AT ENTRANCE).
	No. 1141	RAILING, CORRUGATED IRON ROOF, GUTTERS, BEAMS, &c				No. 1282	RAILING. (ON TOP OF MAIN BUILDING).	No. 17	CORNICES ON TOP OF SPANDRILS.

SIZES AND PROPORTIONS CAN BE VARIED

CONSERVATORIES.

Nº 3



A No. 112 TERMINAL
B No. 44 Do.
C No. 1472 CRESTING

D No. 18 ANTEFIXE.
E No. 672 CRESTING.
F No. 664 Do.

G No. 30 TERMINAL
H No. 297 GUTTER.
I No. 182 SPANDRIL WITH
No. 1501 PANEL

J No. 314 COLUMN
K No. 1695 PANEL
L No. 1807 RAILING.

M No. 582 SEWEL
ASTRAGALS, BEAMS, AND
VENTILATING GEARING, ETC.

SIZES AND PROPORTIONS CAN BE VARIED

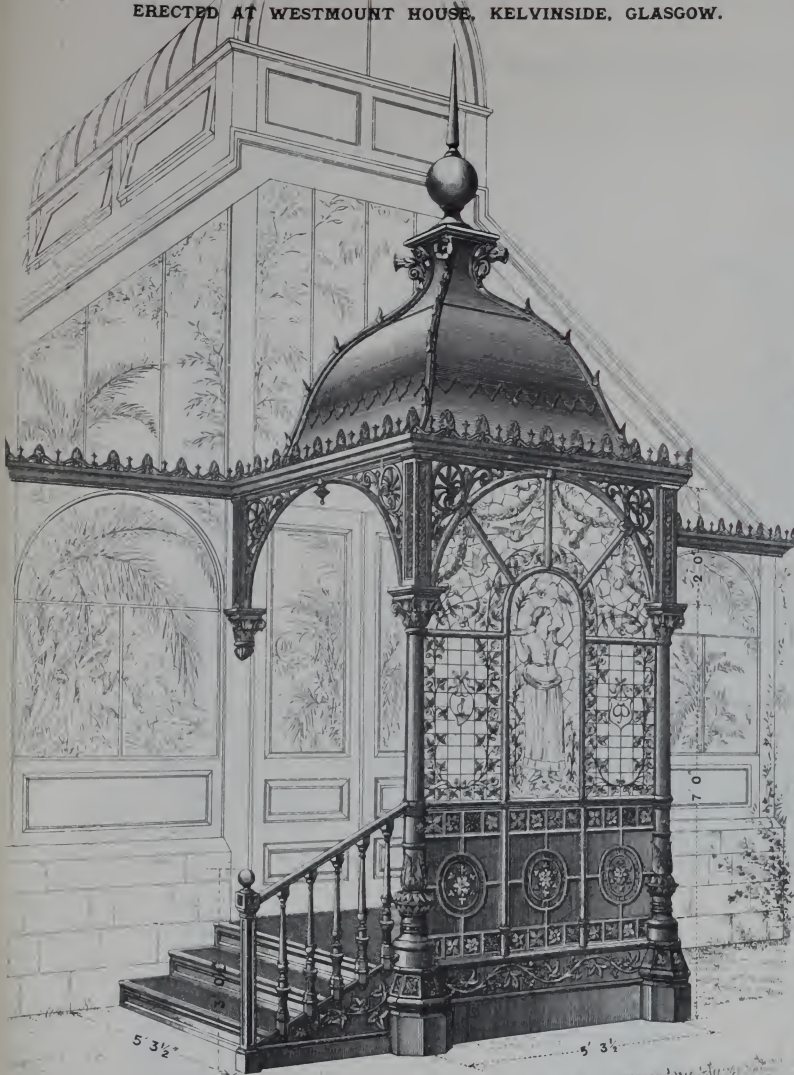
Nº 7



PORCHES

Nº 9

ERECTED AT WESTMOUNT HOUSE, KELVINSIDE, GLASGOW.



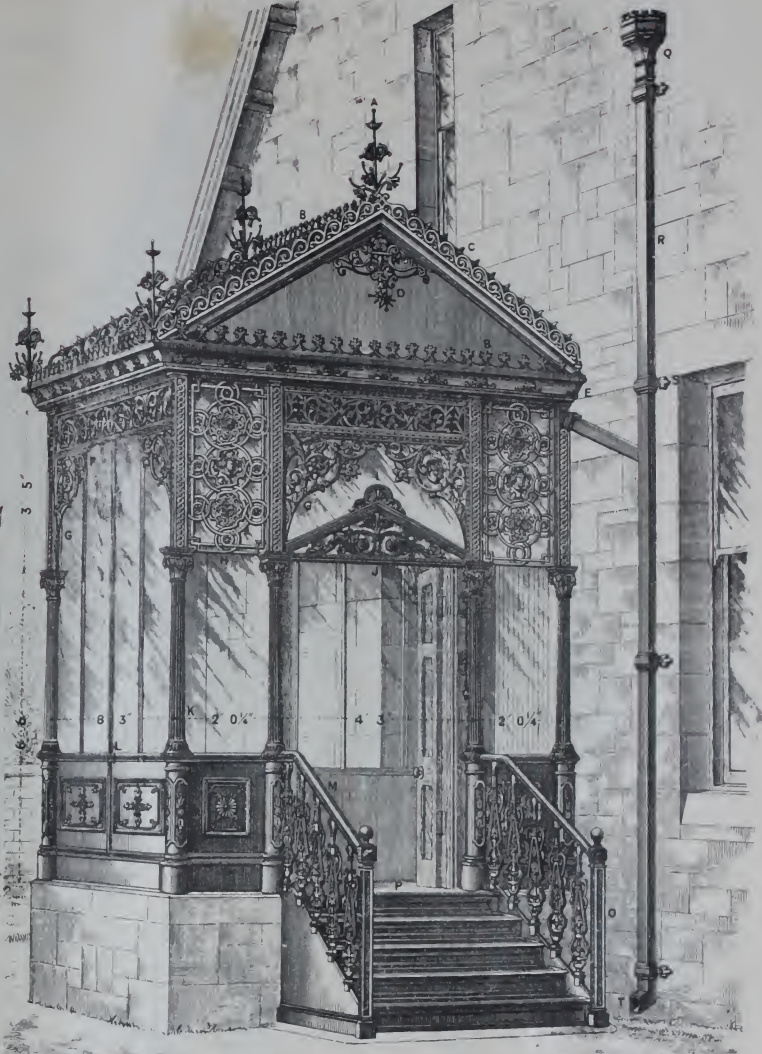
- No. 192 TERMINAL.
No. 657 CRESTING.
No. 378 GUTTER, 5 x 4.
CAST IRON ROOF, ANTRAGALS, BEAMS, BASE PLATE, ETC.
SIZES AND PROPORTIONS CAN BE VARIED.
- No. 93A SPANDRIL 5' 0" WIDE.
No. 61 COLUMN.
No. 1653 PANEL.
No. 593 NEWEL.
- No. 16 STAIR.
No. 336 BALUSTEK.
No. 593 NEWEL.

SPECIMEN PLATE.

PORCHES

Nº 10

ERECTED AT OLD KILPATRICK, N. B.

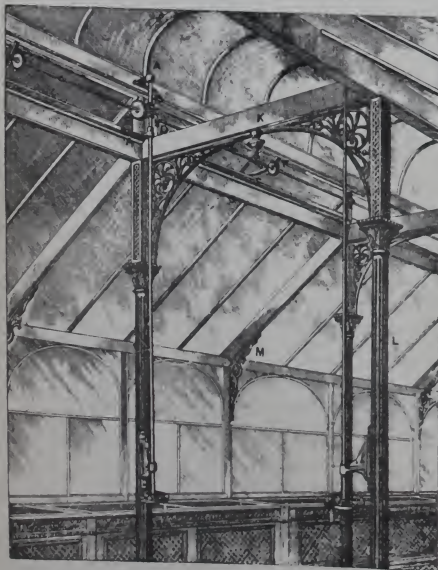


- A No. 44 TERMINAL.
B No. 654 CRESTING.
C No. 1133 Do.
D No. 5 DROP.
E No. 307 GUTTER.
F No. 871 PANEL.
- G No. 169 BRACKET.
H No. 1690 PANEL.
I No. 1 ANTEFIXE.
J No. 1802 TRIANGULAR PANEL.
K No. 34 COLUMN.
- L No. 1618 PANEL.
M No. 40 HANDRAIL.
N No. 465 BALUSTER.
O No. 591 NEWEL.
P No. 16 STAIR.
- Q No. 163 RAIN WATER PIPE HEAD.
R No. 3 RECTANGULAR PIPE.
S No. 32 ORNAMENTAL EARS.
T No. FLAT SHOE.
- CAST IRON ROOF, ASTRAGALS, BEAMS, ETC.
SIZES AND PROPORTIONS CAN BE VARIED.

CONSERVATORY GEARING.

EXAMPLE SHOWING APPLICATION

OF GEARING FOR LANTERN OF CONSERVATORY



- K No. 93 SPANDRIL.
L No. 79 COLUMN.
M No. 80 BRACKET.
N No. 2 COIL CASE.
O No. 1 HOT-WATER PIPES.
P No. 115 TWO WAY SIPHON SPIGOT OUTLET.
Q No. 371 VALVE.
R No. 188 H. PIPE WITH ONE VALVE.
S HOT-WATER GRATING.

G No. 30 BRACKET FOR FIXING DOWN ROD TO COLUMN, WALL, &c.



OTHER PROJECTIONS TO ORDER

EXAMPLE SHOWING APPLICATION

OF GEARING FOR SIDE SASHES BELOW STAGING OF CONSERVATORY

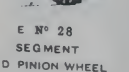


SIZES AND PROPORTIONS CAN BE VARIED

A No. 23 BRACKET FOR FIXING WORM WHEEL



No. 25 WORM AND WHEEL



E No. 28 SEGMENT AND PINION WHEEL



I No. 32 SEGMENT AND PINION WHEEL



OTHER PROJECTIONS TO ORDER

D No. 26 BUSH OPEN AND CLOSE



No. 27 CLOSE BUSH FOR GABLE END



H No. 31 HAND WHEEL



SIZES AND PROPORTIONS CAN BE VARIED

No. 34 BUSH

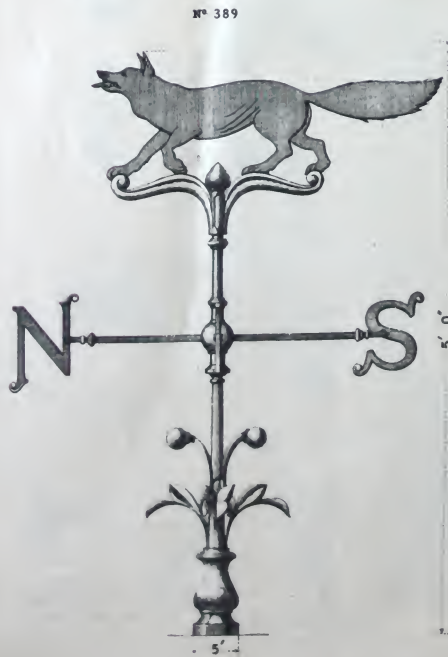
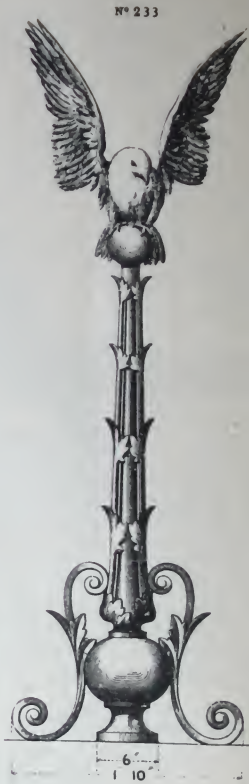
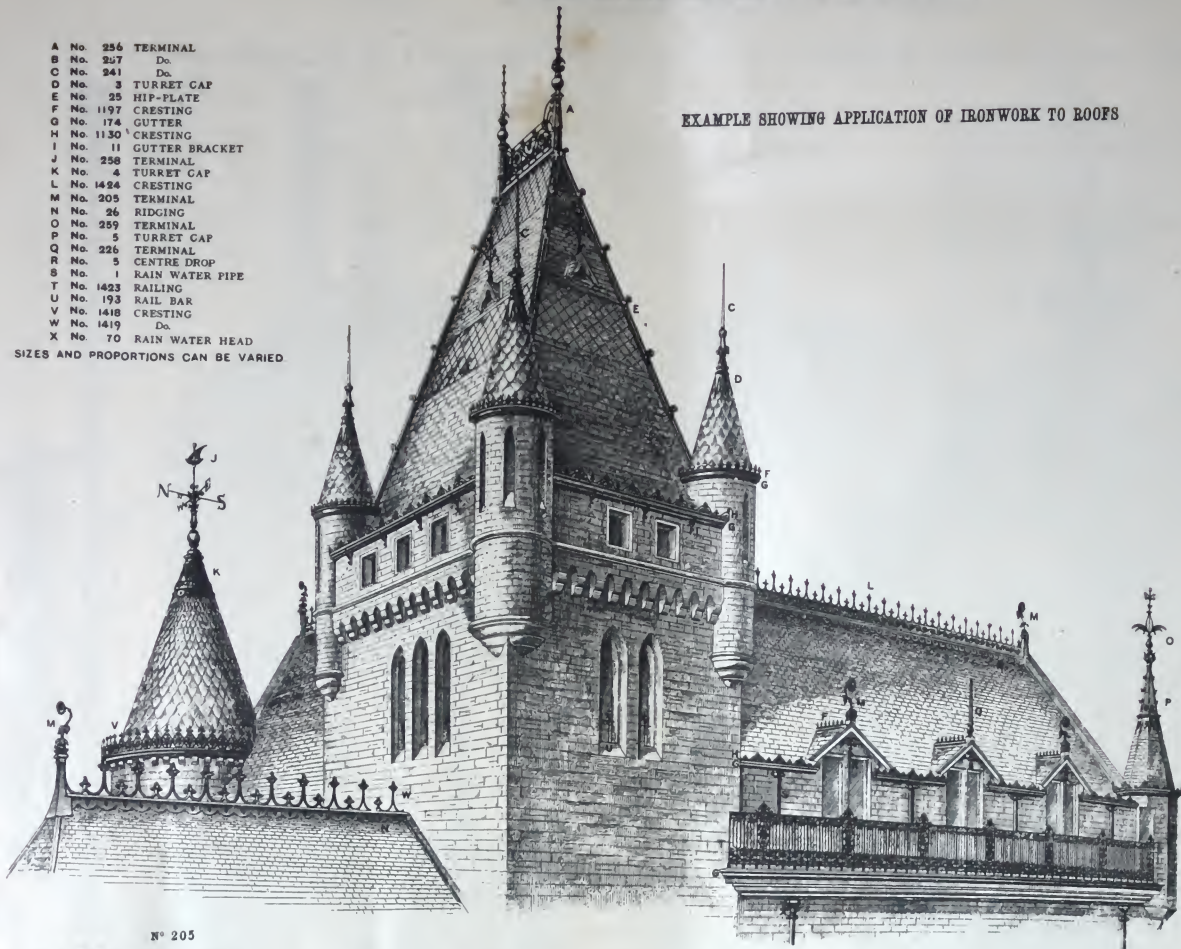


OTHER PROJECTIONS TO ORDER

SPECIMEN PLATE.

- A No. 256 TERMINAL
 - B No. 257 Do.
 - C No. 241 Do.
 - D No. 3 TURRET CAP
 - E No. 25 HIP-PLATE
 - F No. 1197 CRESTING
 - G No. 174 GUTTER
 - H No. 1130 CRESTING
 - I No. 11 GUTTER BRACKET
 - J No. 258 TERMINAL
 - K No. 4 TURRET CAP
 - L No. 1424 CRESTING
 - M No. 205 TERMINAL
 - N No. 26 RIDGING
 - O No. 259 TERMINAL
 - P No. 5 TURRET CAP
 - Q No. 226 TERMINAL
 - R No. 5 CENTRE DROP
 - S No. 1 RAIN WATER PIPE
 - T No. 1423 RAILING
 - U No. 193 RAIL BAR
 - V No. 1418 CRESTING
 - W No. 1419 Do.
 - X No. 70 RAIN WATER HEAD
- SIZES AND PROPORTIONS CAN BE VARIED

EXAMPLE SHOWING APPLICATION OF IRONWORK TO ROOFS



SPECIMEN PLATE.

FOUNTAINS.

N° 22



DRINKING FOUNTAINS.

N° 8



N° 1

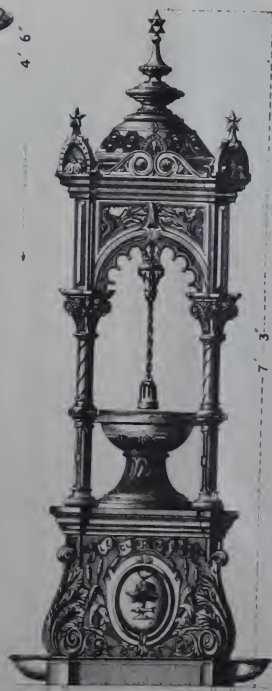
WALL FOUNTAIN



N° 10



N° 13

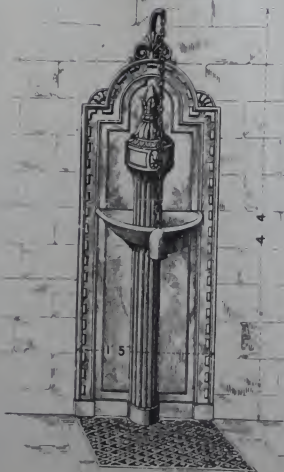


N° 12



N° 2

WALL FOUNTAIN



CAN ALSO BE SUPPLIED WITH ONLY TWO DRINKING FOUNTAINS AND BASINS AND DOG TROUGHS TO ORDER

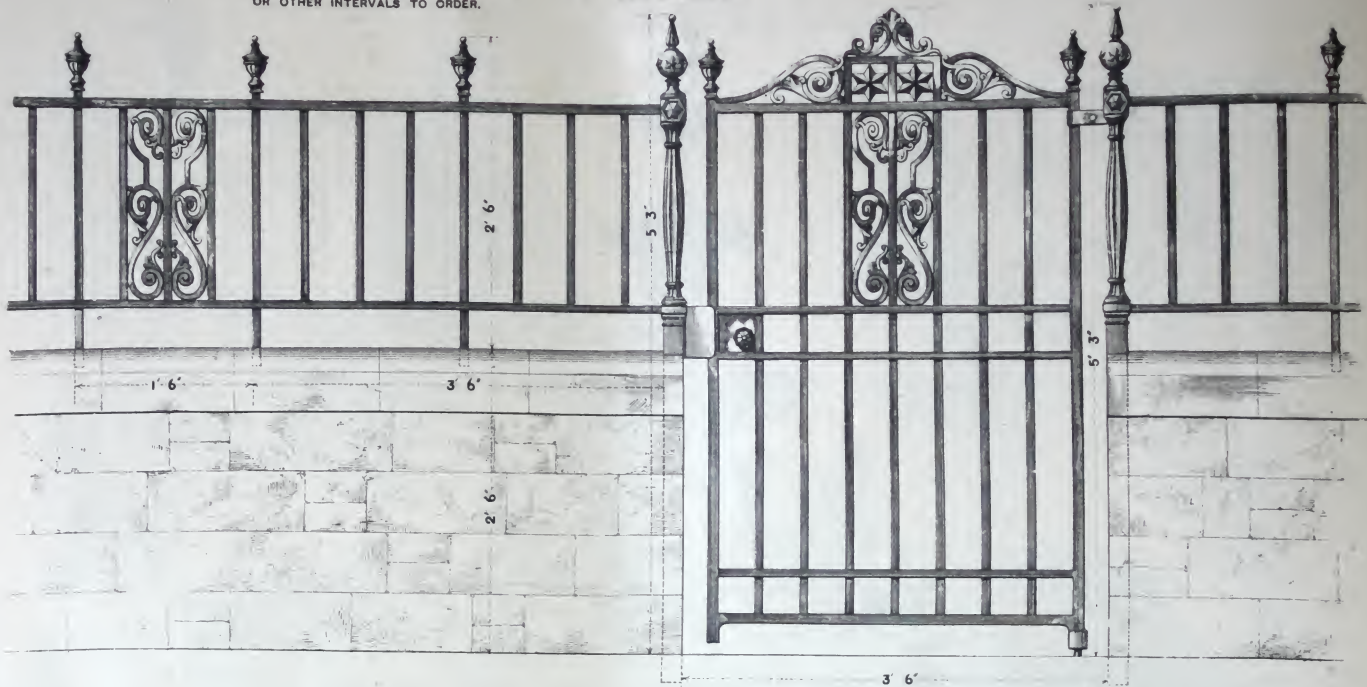
CAN ALSO BE SUPPLIED WITHOUT DOG TROUGHS AND ANY OTHER COAT OF ARMS, MOTTO OR DEVICE TO ORDER.

SPECIMEN PLATE.

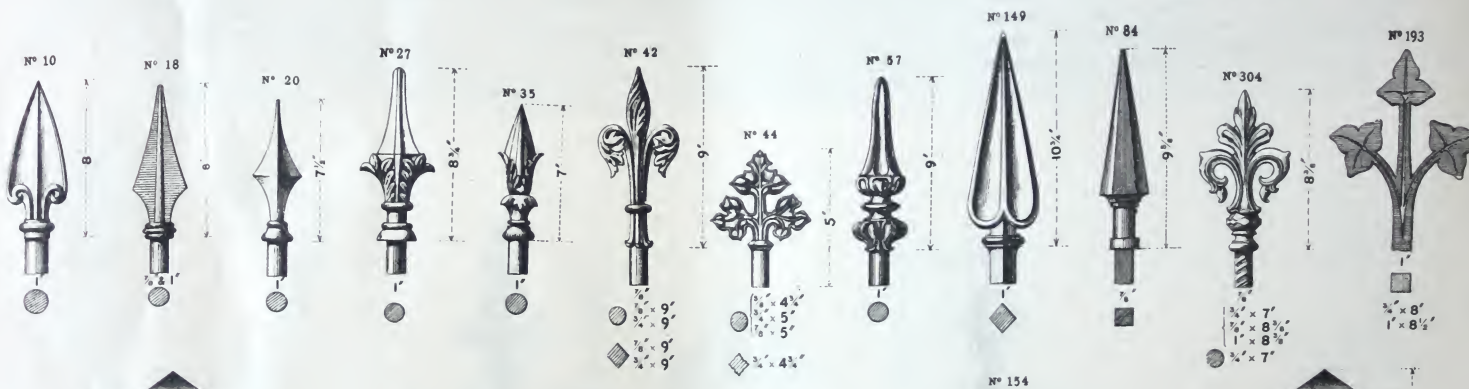
RAILING N° 1126
ORNAMENTAL PANEL REPEATED EVERY 5' 0"
OR OTHER INTERVALS TO ORDER.

ENTRANCE GATES
AND RAILINGS

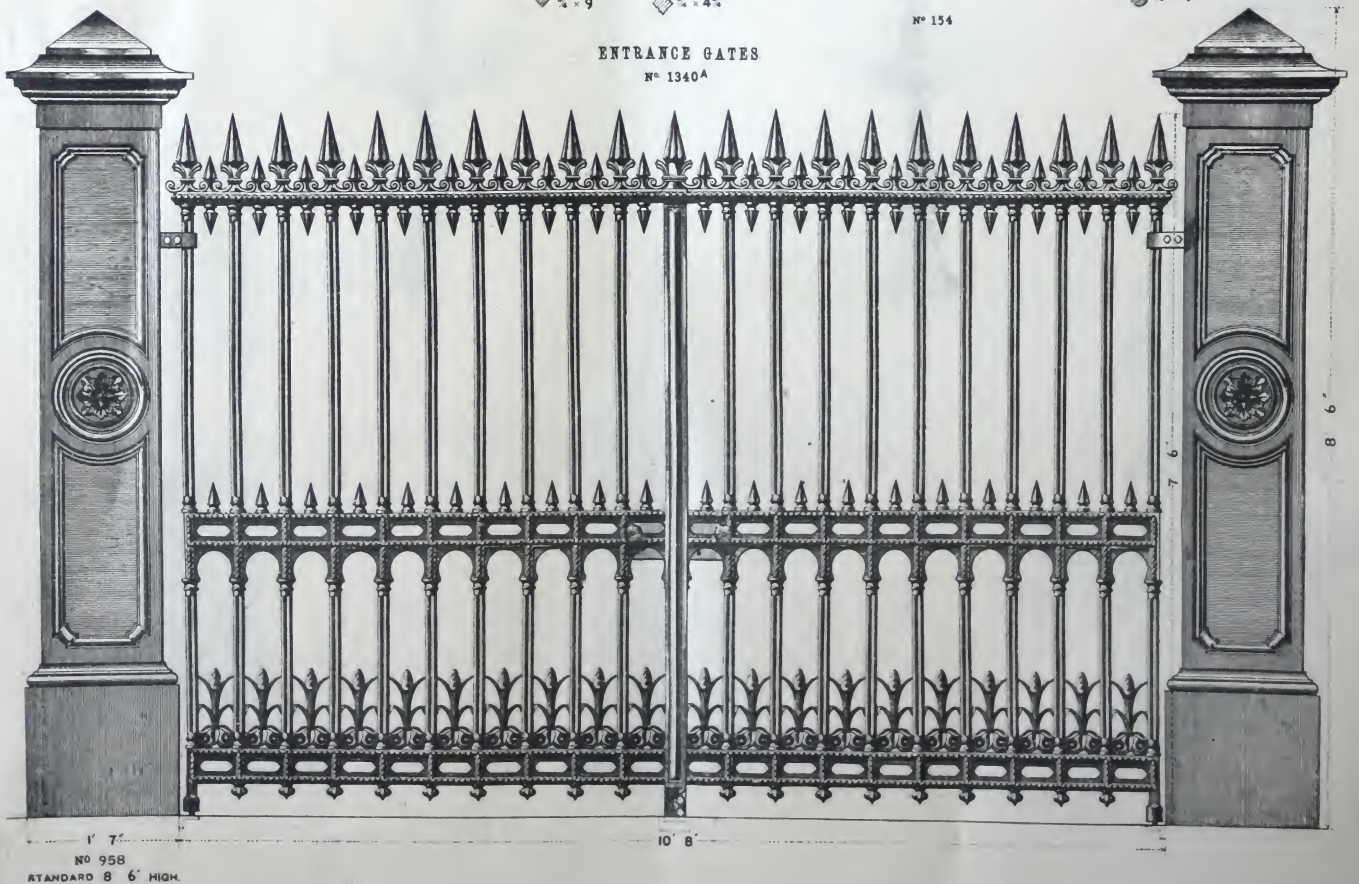
GATE N° 1126



N° 1126
STANDARD 5' 3" HIGH.



ENTRANCE GATES
N° 1340A



N° 958
STANDARD 8' 6" HIGH.

SPECIMEN PLATE.

GATE N° 1150

RAILING N° 1150
CAST IN 1' 9" LENGTHS.

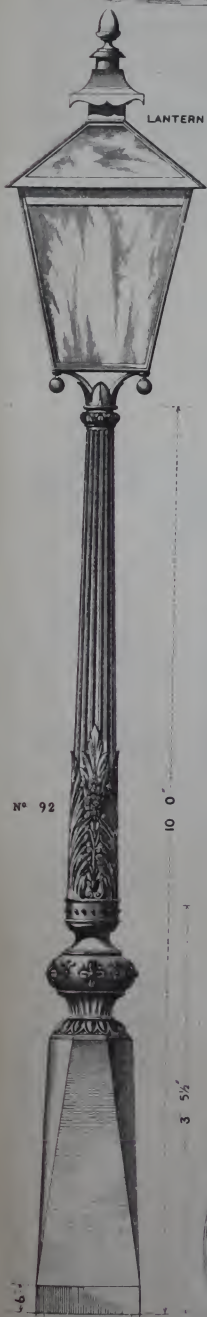


LANTERN N° 48

N° 1150 STANDARD 12' 6" HIGH.
CAN BE SUPPLIED
WITH N° 116 LAMP STAND ON TOP

2' 3"
ANY MONOGRAM ETC.
ON STANDARD TO ORDER.

LANTERN N° 49



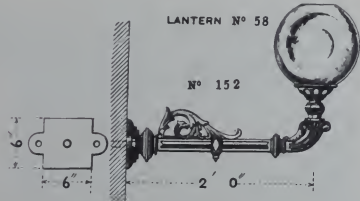
N° 92

10' 0"

3' 5 1/2"

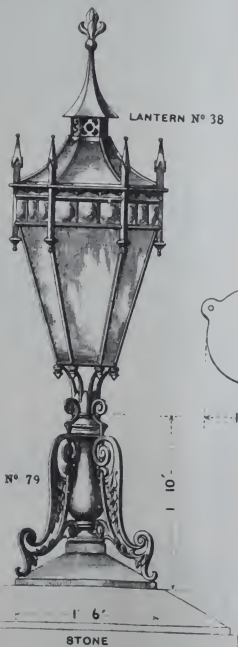
CORNER STANDARD

CAST IN 2' 6" LENGTHS
HANDRAIL CAST SEPARATE.



LANTERN N° 58

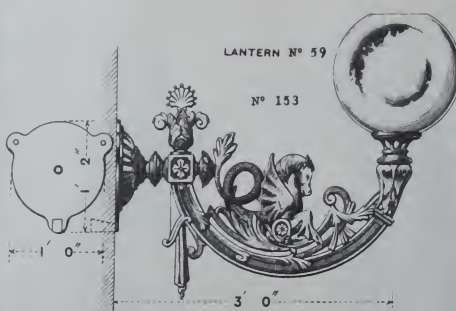
N° 152



LANTERN N° 38

N° 79

STONE



LANTERN N° 59

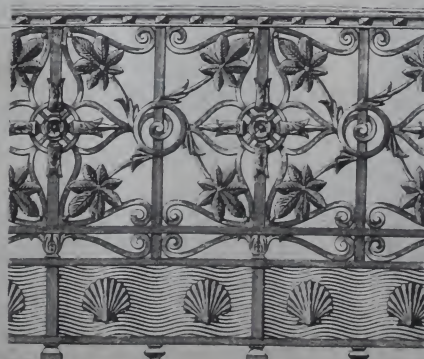
N° 153

1' 10"

1' 6"



N° 1371



N° 1390

CAST IN 3' 6" LENGTHS.
HANDRAIL CAST SEPARATE



N° 93

9' 9"

1' 10 1/2"

SPECIMEN PLATE.

IMPROVED HOT WATER APPLIANCES.

THE VILLA BOILER

RIGHT OR LEFT HAND.

WHEN NOT OTHERWISE STATED, WILL BE SENT WITH SMOKE PIPE ON LEFT HAND, AS DRAWN

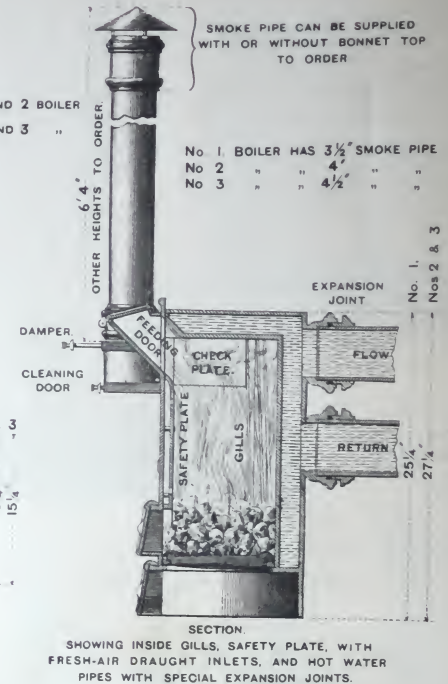
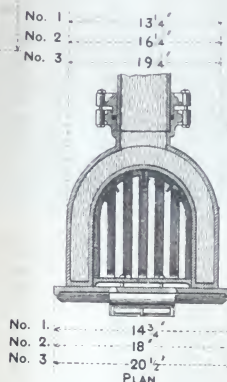
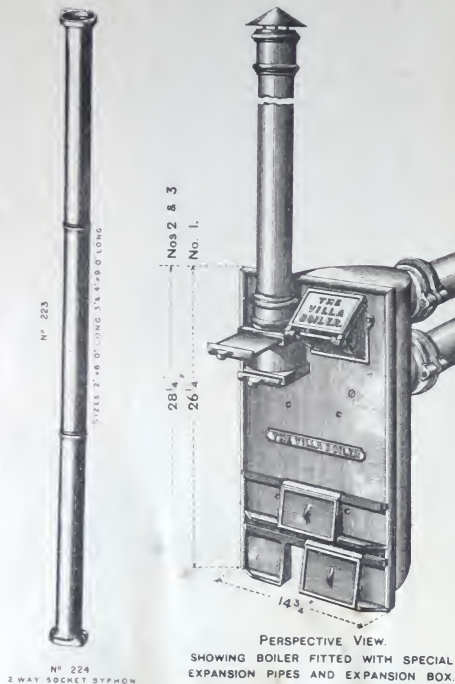
BOILER FRONT.			BOILER.		
SIZES	WIDTH	HEIGHT	WIDTH	DEPTH	HEIGHT.
No. 1.	14 3/4	26 1/4 INCHES	13 1/4	12 1/4	25 1/4 INCHES
No. 2	18	28 1/4	16 1/4	13 1/4	27 1/4
No. 3	20 1/2	28 1/4	19 1/4	15 1/4	27 1/4

AVERAGE HEATING POWER

	2' PIPE.	3' PIPE.	4' PIPE.
No. 1.	100 FEET	73 FEET	45 FEET
No. 2.	180 "	130 "	80 "
No. 3.	300 "	218 "	134 "

EXPANSION BOX
N°400 N°401

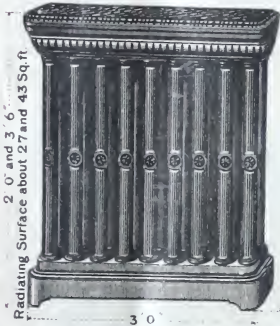
N°400 EXPANSION BOX SUITS Nos 1 AND 2 BOILER
N°401 " " " Nos 2 AND 3 "



NOTE.—SOCKETS AND ADDITIONAL SOCKETS CAN BE CAST ON IN DIFFERENT POSITIONS, ON BOILER AND EXPANSION BOX, TO SUIT
ORDINARY, IMPROVED, AND SPECIAL EXPANSION PIPES. CAN ALSO BE SUPPLIED WITH CHECK PLATE FOR FIRE.

RADIATORS.

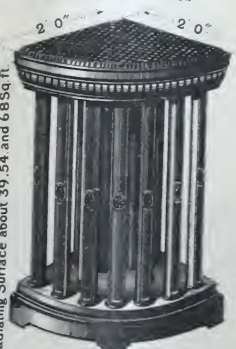
N° 436
with Double Row of 2" Pipes,
Drilled and Tapped for 1" Wrought Iron Tube at
each end of Bottom Box for Inlet and Outlet.



N° 440
with 19 2 1/2" Pipes.
Drilled and Tapped for 1" Wrought
Iron Tube on underside of Bottom
Box for Inlet and Outlet.



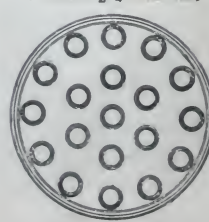
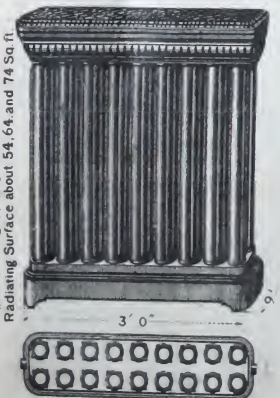
N° 441
with 19 2 1/2" Pipes.
Drilled and Tapped for 1" Wrought
Iron Tube at each end of Bottom
Box for Inlet and Outlet.



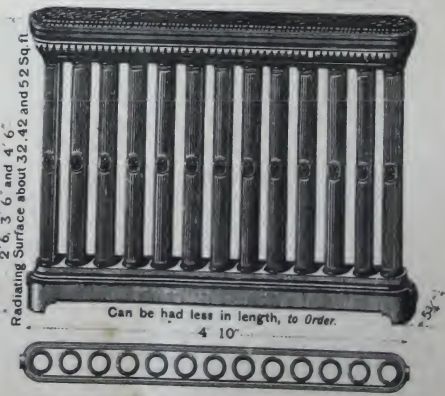
N° 438
with Double Row of 3 1/2" Pipes,
Drilled and Tapped for 1" Wrought Iron Tube at
each end of Bottom Box for Inlet and Outlet.



N° 437
with Double Row of 2" Pipes,
Drilled and Tapped for 1" Wrought Iron Tube at
each end of Bottom Box for Inlet and Outlet.



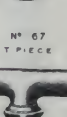
N° 439
with Single Row of 2 1/2" Pipes,
Drilled and Tapped for 1" Wrought Iron Tube at
each end of Bottom Box for Inlet and Outlet.



N° 79
CROSS PIECE



N° 32
FLANGED 90°
ELBOW SHORT



N° 67
T-PIECE



N° 69
T-PIECE DIVISION



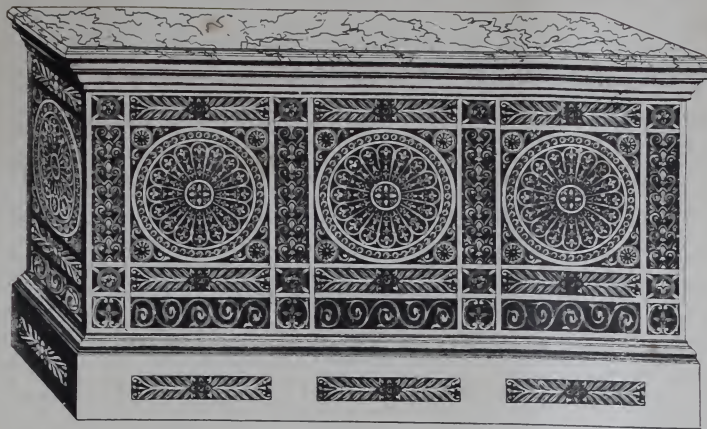
N° 4
N° 5



N° 105
DIAPHRAGM VA

SPECIMEN PLATE.

COIL CASE N° 5



COIL CASE N° 18

SIZES 5' 0" x 0' 10" x 3' 1" HIGH WITHIN

COIL N° 363 FITTED



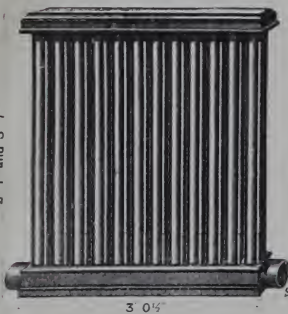
COIL N° 364 FITTED



N° 432

With Socket Inlet and Outlet for 2" Hot-Water Pipe.

Can also be had Drilled and Tapped for 1" Wrot. Iron Tube, instead of Sockets, to Order.

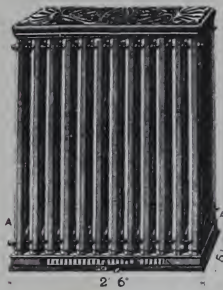


N° 434

With Ventilating Air Tubes.

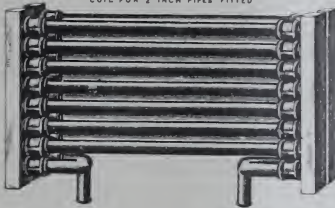
Drilled and Tapped for 1" Wrought Iron Tube.

In Bosses at A for Inlet and Outlet.



N° 357

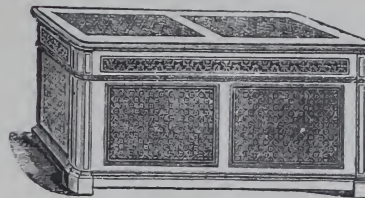
COIL FOR 2 INCH PIPES FITTED



N° 201



N° 2 COIL CASE



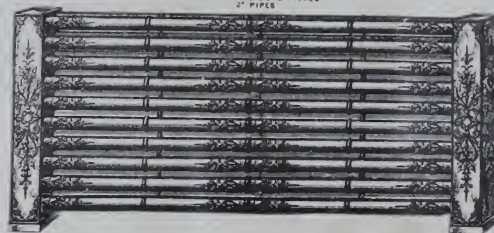
N° 348

IMPROVED HOT WATER COIL WITH INDIA RUBBER JOINTS



N° 353

ORNAMENTAL COIL FITTED 2" PIPES



Can also be had With Bottom Box as N° 433 to Order.

Radiating Surface about 26 and 36 sq. ft. Sizes, 2' 7" and 3' 7" High.

Radiating Surface about 32 and 38 sq. ft. Sizes, 2' 8" and 3' 2" High.

N° 2 CISTERN



N° 13



N° 84



N° 141

2 WAY COIL SYPHON SOCKET OUTLET



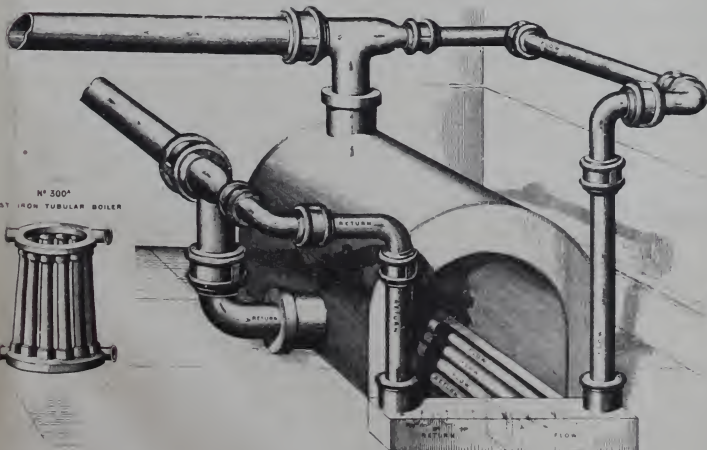
N° 114

9 WAY SYPHON WITH ELBOW



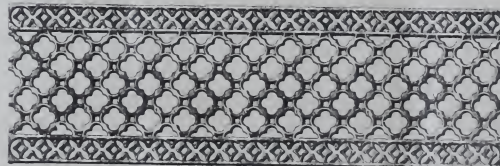
N° 1

Sketch showing application of No. 300's WATER FIRE BARS

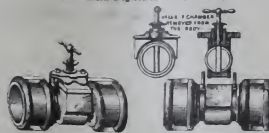


SIZES

AS DRAWING
9 x 37" x 1/2" THICK
8 x 42" x 1/2"
10 x 48" x 1/2"
12 x 56" x 1/2"
14 x 62" x 1/2"
16 x 68" x 1/2"
18 x 74" x 1/2"
20 x 80" x 1/2"
22 x 86" x 1/2"
24 x 92" x 1/2"
26 x 98" x 1/2"
28 x 104" x 1/2"



The Milner Registered Throttle Valve.



N° 33 FRAMING FOR GRATING



N° 104

DIAPHRAGM VALVE



N° 300's

CAST IRON TUBULAR BOILER



N° 1 CIRCULATING CYLINDER TANK



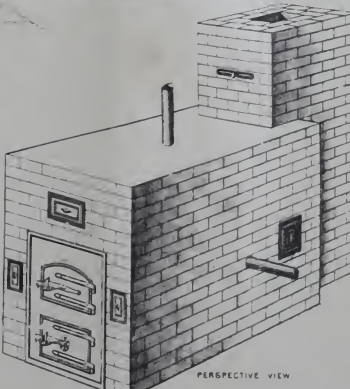
N° 284

FURNACE FRONT WITH SLIDING DOORS

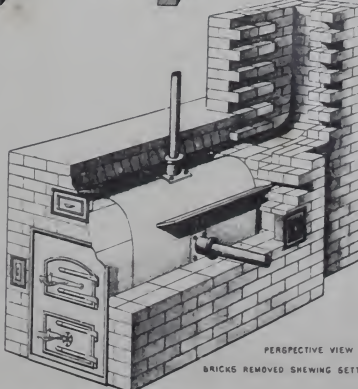


N° 271

FURNACE FRONT & DOORS FOR N° 286 BOILER



PERSPECTIVE VIEW



PERSPECTIVE VIEW

BRICKS REMOVED SHOWING SETTING OF BOILER

EXAMPLE SHOWING MODE OF BUILDING SADDLE BOILERS.

PRICE LIST.
SECTION V.

IMPROVED
STABLE & CATTLE
FITTINGS.

CONTRACTORS TO
HER MAJESTY'S WAR & PRISON
DEPARTMENTS.

ENTERED AT STATIONERS' HALL.

THE OLDEST ESTABLISHED ARCHITECTURAL IRONFOUNDERS
AND MANUFACTURERS OF KITCHEN RANGES IN SCOTLAND.

SECTION V.

ARCHITECTURAL
&
GENERAL IRON CASTINGS

IMPROVED STABLE AND
CATTLE FITTINGS

CONTRACTORS TO HER MAJESTY'S WAR, PRISONS & INDIAN DEPARTMENTS.

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